



# TECHNICAL SPECIFICATIONS

## NOVATWIST® 30H60 Screw Cap



### GENERAL DESCRIPTION

NOVATWIST® 30H60 is an injection moulded screw cap designed for the closure of bottles of still wine and liquid food.

- Neck finish types: PET or Glass, BVS and BVP 30x60 neck finishes
- Maximum internal pressure: 1 bar
- Sealing: Saranex™ or tin liner
- Tamper evidence: Slitted bridges
- Number of knurls: 180 knurls

### MATERIALS

- Cap: Non-recycled polypropylene
- Insert: Non-recycled polyethylene
- Liner: Polyethylene base with Saranex™ or tin barrier film

### FOOD GRADE AND ENVIRONMENT (Heavy metals)

- Compliant with the French, European and U.S. regulations regarding food contact
- Average level of heavy metals (Lead, cadmium, mercury, hexavalent chromium): < 100ppm

### DIMENSIONS & WEIGHT

- Diameter bottom of skirt: 30.2mm (± 0.2mm)
- Total height: 60.0mm (± 0.3mm)
- Approx. weight incl. liner: 6.9g

### PACKING & IDENTIFICATION

#### Packing

- Screw caps are protected by a food-grade polyethylene bag packed into a cardboard box covered with PE ceiling (to avoid pollution from above) and overwrapped with stretch film on pallet
- Caps per box: 1,000 (595mm x 390mm x 375mm carton box)
- Boxes per pallet: 25 (1,200mm x 1,000mm x 2,010mm pallet)

#### Identification

- Box labelling: Specific label for full product traceability, batch, date of production,.
- Pallet labelling: Standard label (GC1 format) for easy pallet and product identification

### STORAGE

- Storage duration: Capping is recommended within 12 months from delivery date
- Storage environment: Clean, dry, ventilated & odourless place
- Recommended temperature: 15°C to 35°C - Recommended relative humidity: 60 to 70%
- Stacking: Stacking of pallets is prohibited to avoid deformation of caps

### DIRECTIONS FOR USE

- Screw cap shall not be used before 15 days from date of production
- Screw cap shall be stored for 24 hours at room temperature before capping

The following recommendations are an aid to setting the capping machine, which remains the sole responsibility of the end user due to the many factors beyond control of the SOLOCAP-MAB S.A.S. company. These recommendations could be updated when new information becomes available.

- Jaws must be used for screwing the caps (SOLOCAP-MAB S.A.S. does not recommend to use chucks)
- Bottle necks must be all dry or all wet before capping and capping torque shall be adapted accordingly
- Caps must be pushed on at a distance of 20mm (± 2mm) from top of neck prior to screwing, so the flaps can pass below 1st ring
- Compensation shall be set within the 2-12mm range, depending on bottle and capping machine types
- Bottle shall resist a 300N topload with a maximum compression of 1mm

#### Usual screwing head setting

Closing torque (indicative)	N.m	Lbf.in	Kgf.cm
Glass dry neck	2.15-2.94	19.0-26.0	21.9-30.0
PET dry neck	1.92-2.71	17.0-24.0	19.6-27.7
Glass/PET wet neck	1.69-2.49	15.0-22.0	17.3-25.3

#### Usual opening torque

Opening torque (indicative)	N.m	Lbf.in	Kgf.cm
Opening torque at T0	1.4-2.8	12-25	14-29
Opening torque at T0+7d	0.8-1.8	7-16	8-18

	N	In	Kgf
Topload	137-196	31-44	14-20

**Nota:** These setting are indicative and may vary depending of capping machine, line speed, bottles and cap colors. The end-user is responsible to find the appropriated setting range taking the different bottles/caps interactions into account. Each new cap color must be validated on capping line.

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