

# SURGICAL HANDPIECES



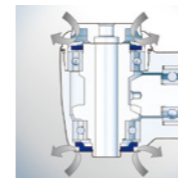
## Dismantable Contra-Angle Handling up to 80 Ncm of Torque

The Ti-Max X-DSG20 series can be easily disassembled for internal cleaning.



### Easy to disassemble and clean

The DSG20 contra-angle can be disassembled with a simple twist for easy internal cleaning. NSK's unique locking mechanism prevents accidental disassembly during operation.



### Double sealing system

NSK's unique double sealing system prevents blood and other contaminants from entering the instrument head to ensure longevity of the instruments.

SURGICAL HANDPIECES IMPLANT

X-DSG20L

**OPTIC** MODEL : X-DSG20L ORDER CODE : C1068

**NON-OPTIC** MODEL : X-DSG20 ORDER CODE : C1067

- 20:1 Reduction ● Max. Torque : 80 Ncm ● Max Speed : 2,000 min<sup>-1</sup>
- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics (X-DSG20L) ● Double Sealing System
- Push Button Chuck ● External and internal cooling (Kirschner/Meyer)



X-SG20L

**OPTIC** MODEL : X-SG20L ORDER CODE : C1003

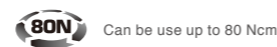
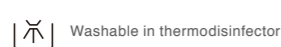
- 20:1 Reduction ● Max. Torque : 80 Ncm ● Max. Speed : 2,000 min<sup>-1</sup>
- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics ● Double Sealing System
- Push Button Chuck ● External and internal cooling (Kirschner/Meyer)



SG20

**NON-OPTIC** MODEL : SG20 ORDER CODE : C1010

- 20:1 Reduction ● Max Torque : 80 Ncm ● Max Speed : 2,000 min<sup>-1</sup>
- Stainless Steel Body ● Double Sealing System ● Push Button Chuck
- External and internal cooling (Kirschner/Meyer)



SURGICAL HANDPIECES CONTRA-ANGLE (INCREASING)

X-SG93L

**OPTIC** MODEL : X-SG93L ORDER CODE : C1004

**NON-OPTIC** MODEL : X-SG93 ORDER CODE : C1007

- 1:3 Increasing ● Max Speed : 120,000 min<sup>-1</sup>
- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics (X-SG93L) ● Clean Head System
- Push Button Chuck ● External cooling ● For FG burs (φ1.6)



Z-SG45L

**OPTIC** MODEL : Z-SG45L ORDER CODE : C1107

**NON-OPTIC** MODEL : Z-SG45 ORDER CODE : C1108

- 1:3 Increasing ● Max. Speed : 120,000 min<sup>-1</sup>
- Titanium Body with Scratch Resistant DURAGRIP
- Cellular Glass Optics (Z-SG45L) ● Clean Head System
- Push Button Chuck ● External cooling ● For FG burs (φ1.6, 20-25 mm)
- Ceramic Bearings ● Anti Heat System ● DLC Coating



SURGICAL HANDPIECES CONTRA-ANGLE (DIRECT DRIVE)

X-SG25L

**OPTIC** MODEL : X-SG25L ORDER CODE : C1011

- 1:1 Direct Drive ● Max. Speed : 40,000 min<sup>-1</sup>
- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics ● Clean Head System
- Push Button Chuck ● External cooling ● For CA burs (φ2.35)



X-SG65L

**OPTIC** MODEL : X-SG65L ORDER CODE : H1009

**NON-OPTIC** MODEL : X-SG65 ORDER CODE : H1038

- 1:1 Direct Drive ● Max Speed : 40,000 min<sup>-1</sup>
- Titanium Body with Scratch Resistant DURACOAT
- Cellular Glass Optics ● Clean Head System
- External cooling ● For HP burs (φ2.35)



SURGICAL HANDPIECES MICRO SURGERY

SGS-ES



**NON-OPTIC** MODEL : **SGS-ES** ORDER CODE : **H264**

- 1:1 Direct Drive ● Max. Speed : 40,000 min<sup>-1</sup> ● Twist chuck ● Straight handpiece ● For surgical burs (φ2.35)



SGS-E2S



**NON-OPTIC** MODEL : **SGS-E2S** ORDER CODE : **H266**

- 1:2 Increasing ● Max. Speed : 80,000 min<sup>-1</sup> ● Twist chuck ● Straight handpiece ● For surgical burs (φ2.35)



SGA-ES



**NON-OPTIC** MODEL : **SGA-ES** ORDER CODE : **H263**

- 1:1 Direct Drive ● Max. Speed : 40,000 min<sup>-1</sup> ● Twist chuck ● 20° Angle Handpiece ● For surgical burs (φ2.35)



SGA-E2S



**NON-OPTIC** MODEL : **SGA-E2S** ORDER CODE : **H265**

- 1:2 Increasing ● Max. Speed : 80,000 min<sup>-1</sup> ● Twist chuck ● 20° Angle Handpiece ● For surgical burs (φ2.35)



Washable in thermodisinfectant

Autoclavable up to 135°C

SURGICAL HANDPIECES MICRO SAW

SGR2-E (1.8 mm Reciprocating)



**NON-OPTIC** MODEL : **SGR2-E** ORDER CODE : **SH162**

- 3:1 Reduction ● Max : 12,600 strokes/min ● With External Spray Nozzle



SGO2-E (17° Oscillating)



**NON-OPTIC** MODEL : **SGO2-E** ORDER CODE : **SH164**

- 3:1 Reduction ● Max : 12,800 strokes/min ● With External Spray Nozzle



SGT2-E (3° Sagittal)



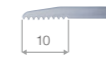
**NON-OPTIC** MODEL : **SGT2-E** ORDER CODE : **SH163**

- 3:1 Reduction ● Max : 12,600 strokes/min ● With External Spray Nozzle



Blades for Reciprocating

MODEL : **SGR-1**  
ORDER CODE : **Y900072**  
● Blade thickness 0.35 mm ● Pack of 10 blades



MODEL : **SGR-2**  
ORDER CODE : **Y900073**  
● Blade thickness 0.35 mm ● Pack of 10 blades



MODEL : **SGR-3**  
ORDER CODE : **Y900074**  
● Blade thickness 0.35 mm ● Pack of 10 blades



Blades for Sagittal

MODEL : **SGT-1**  
ORDER CODE : **Y900075**  
● Blade thickness 0.35 mm ● Pack of 10 blades



MODEL : **SGT-2**  
ORDER CODE : **Y900076**  
● Blade thickness 0.35 mm ● Pack of 10 blades



Blades for Oscillating

MODEL : **SGO-1**  
ORDER CODE : **H174034**  
● Blade thickness 0.3 mm ● Single blade



MODEL : **SGO-2**  
ORDER CODE : **H174044**  
● Blade thickness 0.3 mm ● Single blade



MODEL : **SGO-3**  
ORDER CODE : **H174031**  
● Blade thickness 0.3 mm ● Single blade



MODEL : **SGO-4**  
ORDER CODE : **H174041**  
● Blade thickness 0.3 mm ● Single blade



MODEL : **SGO-5**  
ORDER CODE : **H174032**  
● Blade thickness 0.35 mm ● Single blade



MODEL : **SGO-6**  
ORDER CODE : **H174042**  
● Blade thickness 0.35 mm ● Single blade



\* Do not exceed the Maximum strokes Allowance.  
\* Blades are sold separately.