



## Softcut® shoulder mill with bore, for indexable inserts AP..



### Order data

|              |               |
|--------------|---------------|
| Order number | 215575 80/10  |
| GTIN         | 4045197409409 |
| Item class   | 21O           |

### Description

#### Version:

High precision indexable shoulder mill with irregular pitch for very smooth cutting, very high precision, and very high metal removal rate. **New generation** of high performance indexable shoulder mills **with special geometry for reduced cutting forces for MTC applications under unstable conditions or for spindles with low drive power.**

#### Application:

For shoulder milling to large depths, also slotting. General use in all steels including stainless steels.

#### Spare part:

Pack of insert screws No. 219826 (8IP; 2.2 Nm).

#### Note:

The insert pocket must be modified when using indexable inserts with a radius greater than 2 mm.

GARANT torque screwdriver TQ No. **211750 size 2.2**, use bit No. **674252 size 8IP**.

### Technical description

suitable indexable insert

AP.. 1335..

## Data sheet

|   |                      |
|---|----------------------|
| Overall length $L_{\text{tot}}$                             | 50 mm                |
| Set of insert screws  | 219826 (8IP; 2.2 Nm) |
| Cutting edge $\varnothing D_c$                              | 80 mm                |
| Mounting bore $\varnothing$                                 | 27 mm                |
| Number of cutting edges $Z$                                 | 10                   |
| Ramping angle $\alpha_{\text{max}}$                         | 0.23 degrees         |
| Circular interpolation milling $a_p$                        | 1.8 mm               |
| Ramping length $L$ for $\alpha_{\text{max}}$                | 74.5 mm              |
| Circular interpolation milling $\varnothing D_{\text{min}}$ | 157 mm               |
| Circular interpolation milling $\varnothing D_{\text{max}}$ | 158 mm               |
| Series  | Softcut®             |
| $\varnothing D_3$   | 77 mm                |
| Shank type  | with bore            |
| Setting angle $\kappa$                                      | 90 degrees           |
| Milling application   | End milling          |
| Milling application   | Circular milling     |
| Milling application   | Ramping              |
| Spacing of the cutters                                      | unequal spacing      |
| Through-coolant   | yes                  |
| Machining strategy  | MTC                  |
| Tool exchange   | PowerCard            |
| Type of product   | End / face mill      |

### Suitable products

<https://www.hoffmann-group.com/GB/en/hom/p/215575-80/10>