

Garant
**Aluminium shoulder mill, Plain shank, $\varnothing D$ / number of effective cutting edges
Z: 32/3**

Order data

Order number	211755 32/3
GTIN	4067263107057
Item class	210

Description
Version:

High-performance milling system for high cutting speeds. Absolutely precise insert bedding. Exceptional torsional stiffness thanks to optimised protection against centrifugal force.

Attention:

Before using the indexable insert No. 211776 ALU ($r = 5.0$ mm) and 211777 ALU ($r = 6.0$ mm), the insert seats of the carrier must be modified.

Note:

The **recommended torque** for fastening the insert screws No. 219878 4 and 219878 5 is **3.2 Nm**.

Technical description

Ramping angle α_{\max}	4.39 degrees
Ramping length L for α_{\max}	19.56 mm
$\varnothing D_3$	22 mm
suitable indexable insert	ZDHT 1505
Shank $\varnothing D_s$ h6	32 mm
Cutting edge $\varnothing D_c$	32 mm
Pack of insert screws	219878 4 (15IP)
Circular interpolation milling $\varnothing D_{\max}$	62 mm
Circular interpolation milling $\varnothing D_{\min}$	54 mm

Number of cutting edges Z	3
Overall length L_{tot}	100 mm
Circular interpolation milling a_p	8 mm
Overhang L_1	40 mm
Shank type	Plain shank
Setting angle κ	90 degrees
Milling application	Ramping
Milling application	Plunging
Milling application	Circular milling
Through-coolant	yes
Tool exchange	PowerCard
Type of product	End / face mill

Accessories

Set of insert screws 10 pieces Type 4	219878 4
Torque screwdriver with digital display, to take interchangeable blades maximum torque 500 cNm	659912 500
PrecisionBit for Torx Plus®, 1/4 inch E 6.3 Torx Plus® profile 15IP	674252 15IP