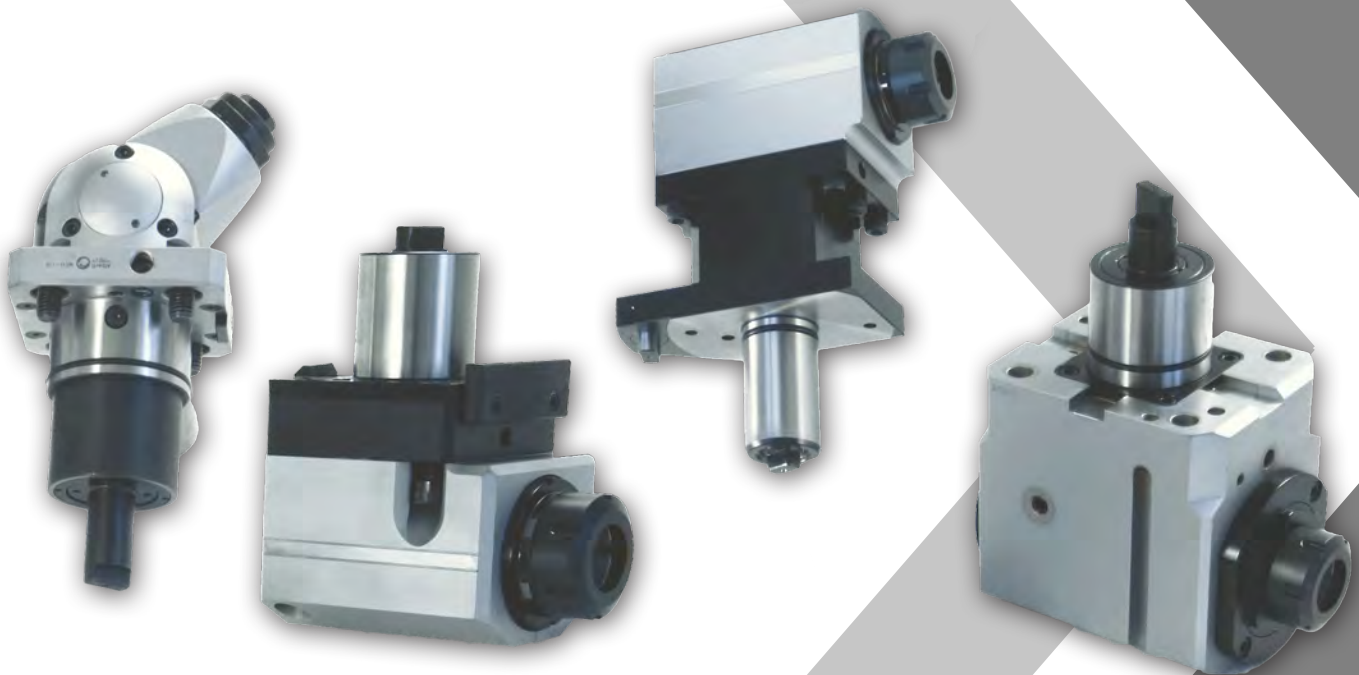




Alberti

Live Tools

Selection Guide

KOMA PRECISION

For over thirty-five years Koma Precision has been the foremost source for the finest the world has to offer in machine tool Productivity Innovation.

With over 30,000 rotary table installations, KOMA is the largest distributor of Tsudakoma NC rotary tables and indexers in the world. With over 12,000 angle heads and live tools installed, KOMA is the world's largest supplier for Alberti - the originator and the foremost innovator of productivity tooling.



SMART CHANGE SYSTEM

New from Alberti, a complete range of live tools with interchangeable adapters for Okuma are now available in stock. The SmartChange System units have a standard profile with **no additional projection** to reduce the chance of interference with the machine's enclosures. Alberti's patent pending design creates **three points of contact** between the driven tool holder body and tool holder output surfaces so there is no compromise in concentricity and rigidity to gain the speed and convenience of quick-change tooling. With the SmartChange System one set of live tools can always stay in the machine with only the adapters needing to be changed. This provides **improved efficiency and flexibility**, plus a reduction in overall tooling costs.

QUICK, EASY & PRECISE

Triple Contact System	Low Profile	How It Works
This system incorporates a triple contact support between the body and adapter for extreme rigidity and accuracy.	HSK SmartChange	60° Clamping Un-Clamping

The patent pending Alberti SmartChange collet clamp & wrench system quickly and precisely locks the quick change adapter, reducing tool cutter changing time to a minimum.

HIGHEST ACCURACY & REPEATABILITY

Run-Out of the Collet Chuck with Adapter Mounted Repeatably	0.006 μ m
Adapter Change Time	20 seconds
Repeatability	0.003mm (0.0001 in.)

Run Out with SmartChange System

Accuracy with Gauge Bar Inserted in the Collet Chuck

Max 0.002 (0.00008in.)

Max 0.001 (0.00004in.)

Accuracy with Gauge Bar Inserted in the Collet Chuck	at 40mm = 0.008mm (1.57in. = 0.0003in.)
	at 120mm = 0.01mm (4.72in. = 0.0004in.)

ER Collet Chuck

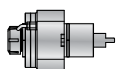
Weldon Output

Shell Mill Output

NLX 1500 | NLX200 NLX2500 | NLX3000

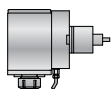


NLX 1500



STRAIGHT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MA-3.5	Standard	GH-66323-00	SC2*	45	6,000
MA-3.5 RI	Coolant Thru	GH-66617-00	ER-32	45	6,000



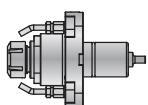
90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-3.5	Standard	GH-66324-00	SC2*	45	6,000
M90-3.5 RI	Coolant Thru	GH-66621-00	SC2*	45	6,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

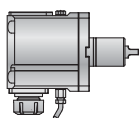


NZX 1500



STRAIGHT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MA-2.5	Standard	GH-66741-00	SC2*	-	6,000
MA-2.5 RI	Coolant Thru	GH-66742-00	SC2*	-	6,000



90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-2.5	Standard	GH-66743-00	SC2*	25	6,000
M90-2.5 RI	Coolant Thru	GH-66744-00	SC2*	25	6,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

BMT-55 LATHE MACHINE

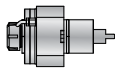


PUMA 230/240(M-MS)/280LM | PUMA 1500/2000/2500(M-MS-Y-SY)
PUMA 2100/TT1500-1800(MS-SY) | PUMA TL-2000/2500 (LM)/MX1600-2100ST
PUMA GT2100-2600M, MD | LYNX300M

DOOSAN
MACHINE TOOLS
AMERICA

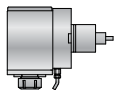


PUMA TT1800SY



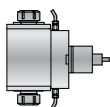
STRAIGHT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MA-2.5	Standard	GH-44941-00	ER-25	-	6,000
MA-2.5 IC	Coolant Thru	GH-44942-00	ER-25	-	6,000



90° TOOLS

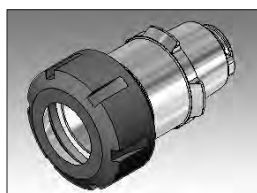
Tool	Tool Type	GH Number	Output	Torque	RPM
M90-2.5	Standard	GH-44943-00	ER-25	25.1	6,000
M90-2.5 IC	Coolant Thru	GH-44944-00	ER-25	25.1	6,000



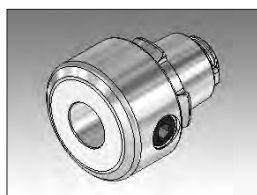
DUAL OUTPUT 90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-2.5 2U	Standard	GH-44945-00	ER-25/25	21.5	6,000

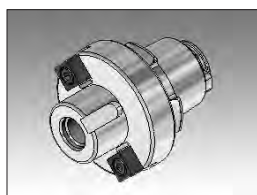
ADDITIONAL ADAPTERS



ER COLLETS		
Size		
ER-20	-	SC2-ER20
ER-25	-	SC2-ER25
ER-32	-	SC2-ER32



WELDON OUTPUTS		
Size		
1/4"	-	SC2-.250
3/8"	-	SC2-.375
1/2"	-	SC2-.500
5/8"	-	SC2-.625



SHELL MILL ARBORS		
Size		
3/4"	-	SC2-SM.750

MEASURING FIXTURES



SMART CHANGE TOOL POT		
Size		
40 Taper	-	GP-56661-00
50 Taper	-	GP-56548-00



HOLDING FIXTURE	
GP-56968-00	

Note: Holding fixture does not include adapter and wrench.

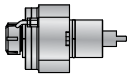
BMT-65 LATHE MACHINE



PUMA 300M/MA - V400M - TT2000SY - TT2500ST - TT2500MS
PUMA 2600/3100 - MX2000ST - MY200LT/ST/LST - MX2600T/ST - VT450M



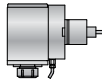
DOOSAN
MACHINE TOOLS
AMERICA



STRAIGHT TOOLS

PUMA GT3100

Tool	Tool Type	GH Number	Output	Torque	RPM
MA-3.5	Standard	GH-45051-00	ER-32	-	6,000
MA-3.5 IC	Coolant Thru	GH-45052-00	ER-32	-	6,000



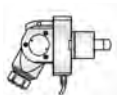
90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-3.5	Standard	GH-45053-00	ER-32	45	6,000
M90-3.5 IC	Coolant Thru	GH-45054-00	ER-32	45	6,000



DUAL OUTPUT 90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-3.5 2U	Standard	GH-45055-00	ER-32/32	45	6,000



ADJUSTABLE TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MCU-2.5	Standard	GH-45159-00	ER-25	45	6,000

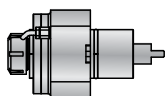
Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

PUMA 400 - PUMA 480M/LM/LM | V550M-VT750/TM

DOOSAN
MACHINE TOOLS
AMERICA

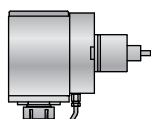


PUMA 480M



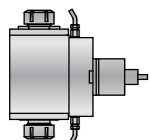
STRAIGHT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MA-4.5	Standard	GH-44946-00	ER-40	-	6,000
MA-4.5 IC	Coolant Thru	GH-44947-00	ER-40	-	6,000



90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-4.5	Standard	GH-44948-00	ER-40	50	6,000
M90-4.5 IC	Coolant Thru	GH-44949-00	ER-40	50	6,000



DUAL OUTPUT 90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-4.5 2U	Standard	GH-44950-00	ER-40/40	50	6,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

BMT-85 LATHE MACHINE

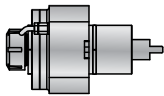


PUMA VT-900M/TM - VT1100M | PUMA 600M/LM -
PUMA 700M/LM | PUMA 800M/LM



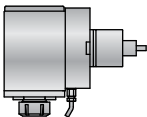
DOOSAN
MACHINE TOOLS
AMERICA

PUMA 700LM



STRAIGHT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MA-5	Standard	GH-44951-00	ER-50	-	6,000
MA-5 IC	Coolant Thru	GH-44952-00	ER-50	-	6,000

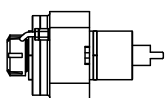


90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-5	Standard	GH-44953-00	ER-50	100	6,000
M90-5 IC	Coolant Thru	GH-44954-00	ER-50	100	6,000

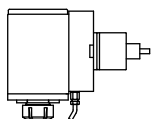
Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

COMPATIBLE WITH HT30MC | HT30Y | HT30SY



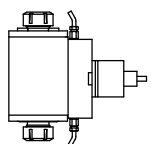
STRAIGHT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
AF-1510	Standard	GH-44323-00	ER-32	-	6,000
AF-1510C	Coolant Thru	GH-44617-00	ER-32	-	6,000



90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
AF-1513	Standard	GH-44324-00	ER-32	45	6,000
AF-1513C	Coolant Thru	GH-44621-00	ER-32	45	6,000



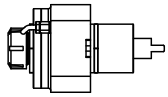
DUAL OUTPUT 90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
AF-1513-2U	Standard	GH-44325-00	ER-32/32	45	6,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

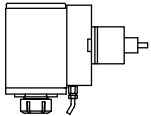
COMPATIBLE WITH

FT-200MC | FT-250MC | FT-350MC | FT-350MCAL



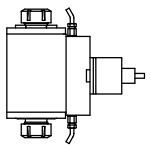
STRAIGHT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
AMF05000285	Standard	GH-44904-00	ER-32	-	6,000
AMF05000285C	Coolant Thru	GH-44931-00	ER-32	-	6,000



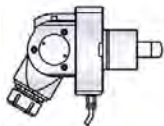
90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
AMF05000286	Standard	GH-44905-00	ER-32	45	6,000
AMF05000286C	Coolant Thru	GH-44932-00	ER-32	45	6,000



DUAL OUTPUT 90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
AMF05000287	Standard	GH-44933-00	ER-32/32	45	6,000

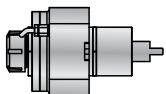


ADJUSTABLE TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MCU-2.5	Standard	GH-45159-00	ER-25	45	6,000

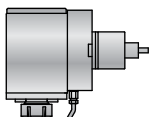
Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

CUTEX 160 | CUTEX 180



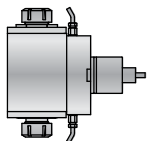
STRAIGHT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MA-2.5	Standard	GH-44941-00	ER-25	-	6,000
MA-2.5 IC	Coolant Thru	GH-44942-00	ER-25	-	6,000



90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-2.5	Standard	GH-44943-00	ER-25	25.1	6,000
M90-2.5 IC	Coolant Thru	GH-44944-00	ER-25	25.1	6,000



DUAL OUTPUT 90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-2.5 2U	Standard	GH-44945-00	ER-25/25	25.1	6,000

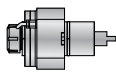
Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm

BMT-65 LATHE MACHINE

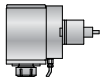


CUTEX 240 | HITECH 200 | HITECH 350
HITECH 450 | T2 | VT 450



STRAIGHT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MA-3.5	Standard	GH-45051-00	ER-32	-	6,000
MA-3.5 IC	Coolant Thru	GH-45052-00	ER-32	-	6,000



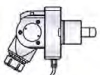
90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-3.5	Standard	GH-45053-00	ER-32	45	6,000
M90-3.5 IC	Coolant Thru	GH-45054-00	ER-32	45	6,000



DUAL OUTPUT 90° TOOLS

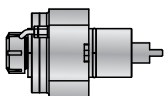
Tool	Tool Type	GH Number	Output	Torque	RPM
M90-3.5 2U	Standard	GH-45055-00	ER-32/32	45	6,000



UNIVERSAL TOOLS

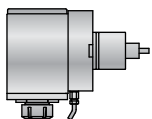
Tool	Tool Type	GH Number	Output	Torque	RPM
MCU-2.5	Standard	GH-45159-00	ER-25	45	6,000

HITECH 550 | VT 550 | VT 650



STRAIGHT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MA-4.5	Standard	GH-44946-00	ER-40	-	6,000
MA-4.5 IC	Coolant Thru	GH-44947-00	ER-40	-	6,000



90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-4.5	Standard	GH-44968-00	ER-40	50	6,000
M90-4.5 IC	Coolant Thru	GH-44949-00	ER-40	50	6,000

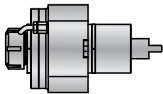
Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm

BMT-85 LATHE MACHINE

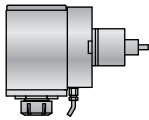


VT 950 | VT 1150



STRAIGHT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MA-5.0	Standard	GH-44951-00	ER-50	-	6,000
MA-5.0 IC	Coolant Thru	GH-44952-00	ER-50	-	6,000



90° TOOLS

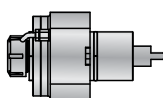
Tool	Tool Type	GH Number	Output	Torque	RPM
M90-5.0	Standard	GH-44953-00	ER-50	100	6,000
M90-5.0 IC	Coolant Thru	GH-44954-00	ER-50	100	6,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm

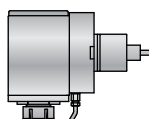
L230LMSA | LF1600M/2SP | LF1800M/2SP | LF2000M/2SP

HYUNDAI
WIA



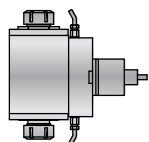
STRAIGHT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MA-2.5	Standard	GH-44941-00	ER-25	-	6,000
MA-2.5 IC	Coolant Thru	GH-44942-00	ER-25	-	6,000



90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-2.5	Standard	GH-44943-00	ER-25	25.1	6,000
M90-2.5 IC	Coolant Thru	GH-44944-00	ER-25	25.1	6,000



DUAL OUTPUT 90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-2.5 2U	Standard	GH-44945-00	ER-25/25	25.1	6,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

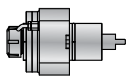
BMT-65 LATHE MACHINE



**L300MA | L300MSA | L300LMA | L300LMSA | L300MC
L300MSC | L300LMC | LF2500M/2SP | LF2100/2600
L2600 SERIES | L3000 SERIES**



**HYUNDAI
WIA**



STRAIGHT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MA-3.5	Standard	GH-45051-00	ER-32	-	6,000
MA-3.5 IC	Coolant Thru	GH-45052-00	ER-32	-	6,000



90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-3.5	Standard	GH-45053-00	ER-32	45	6,000
M90-3.5 IC	Coolant Thru	GH-45054-00	ER-32	45	6,000



DUAL OUTPUT 90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-3.5 2U	Standard	GH-45055-00	ER-32/32	45	6,000



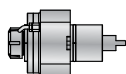
ADJUSTABLE TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MCU-3.5	Standard	GH-45159-00	ER-32	45	6,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

L400MA | L400MC | L400LMC | LV500 SERIES | LV800 SERIES

HYUNDAI
WIA



STRAIGHT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MA-4.5	Standard	GH-44946-00	ER-40	-	6,000
MA-4.5 IC	Coolant Thru	GH-44947-00	ER-40	-	6,000



90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-4.5	Standard	GH-44948-00	ER-40	50	6,000
M90-4.5 IC	Coolant Thru	GH-44949-00	ER-40	50	6,000



DUAL OUTPUT 90° TOOLS

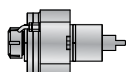
Tool	Tool Type	GH Number	Output	Torque	RPM
M90-4.5 2U	Standard	GH-44950-00	ER-40/40	50	6,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

L600 SERIES | L700 SERIES | LV1100RM

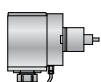


HYUNDAI
WIA



STRAIGHT TOOLS

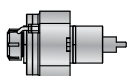
Tool	Tool Type	GH Number	Output	Torque	RPM
MA-5.0	Standard	GH-44951-00	ER-50	-	6,000
MA-5.0 IC	Coolant Thru	GH-44952-00	ER-50	-	6,000



90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-5.0	Standard	GH-44953-00	ER-50	100	6,000
M90-5.0 IC	Coolant Thru	GH-44954-00	ER-50	100	6,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm



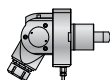
STRAIGHT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MA-3.5 R	Standard	GH-44225-00	ER-32	30	6,000
MA-3.5 RI	Coolant Thru	GH-44273-00	ER-32	30	6,000
MA-3.5 RE	4:1 Speeder	GH-44274-00	ER-32	15	12,000



90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-3.5	Standard	GH-44272-00	ER-32	25	6,000
M90-3.5 RI	Coolant Thru	GH-44227-00	ER-32	25	6,000
M90-3.5 E	4:1 Speeder	GH-44773-00	ER-32	15	12,000



UNIVERSAL TOOLS

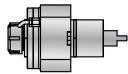
Tool	Tool Type	GH Number	Output	Torque	RPM
MCU-2.5	Standard	GH-44094-00	ER-25	20	6,000
MCU-1.5 E	4:1 Speeder	GH-44440-00	ER-16	15	12,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm

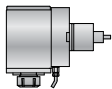


Mazak



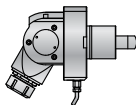
STRAIGHT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MA-5.0 R	Standard	GH-44775-00	ISO-40	75	6,000
MA-5.0 RI	Coolant Thru	GH-44777-00	ISO-40	75	6,000



90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-5.0	Standard	GH-44776-00	ISO-40	75	6,000
M90-5.0 R	Coolant Thru	GH-44778-00	ISO-40	75	6,000



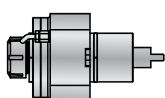
UNIVERSAL TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MCU-3.5	Standard	GH-44779-00	ER-32	32	6,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

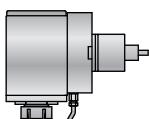
ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm

Mazak



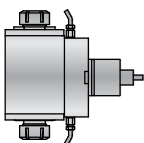
STRAIGHT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MA-2.5 R	Standard	GH-44221-00	ER-25	30	6,000
MA-2.5 RI	Coolant Thru	GH-44282-00	ER-25	30	6,000
MA-2.5 RE	4:1 Speeder	GH-44285-00	ER-25	15	12,000



90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-2.5	Standard	GH-44222-00	ER-25	25	6,000
M90-2.5 RI	Coolant Thru	GH-44284-00	ER-25	25	6,000
M90-2.5 E	4:1 Speeder	GH-44280-00	ER-25	15	12,000



DUAL OUTPUT 90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-2.5 2U	Standard	GH-44223-00	ER-25/16	25	6,000

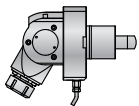
Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm



Mazak

QUICK TURN 100



UNIVERSAL TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MCU-2.5	Standard	GH-44224-00	ER-25	20	6,000
MCU-1.5 E	4:1 Speeder	GH-44780-00	ER-16	15	12,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm

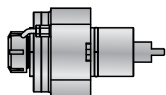


SQT 200/250 | SQT 15/18M (16 Station) QTN 100M/150M/S (12 Station)
QTN 200/250 | QT NEXUS 200II/250II (12 Station)
SUPER QUADREX 200/250 (12 Station)

Mazak

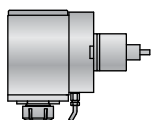


QUICK TURN 250



STRAIGHT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MA-3.5 R	Standard	GH-44184-00	ER-32	40	6,000
MA-3.5 RI	Coolant Thru	GH-44278-00	ER-32	40	6,000
MA-3.5 RE	4:1 Speeder	GH-44185-00	ER-32	30	12,000



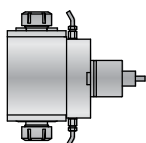
90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-3.5	Standard	GH-44186-00	ER-32	45	6,000
M90-3.5 RI	Coolant Thru	GH-44229-00	ER-32	45	6,000
M90-3.5 E	4:1 Speeder	GH-44279-00	ER-32	30	12,000



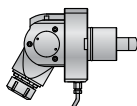
Mazak

QTN 150S



DUAL OUTPUT 90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-3.5 2U	Standard	GH-44277-00	ER-32/20	45	6,000



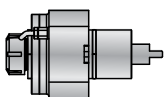
UNIVERSAL TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MCU-2.5	Standard	GH-44093-00	ER-25	20	6,000
MCU-1.5 E	4:1 Speeder	GH-44180-00	ER-16A	6	12,000

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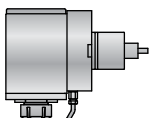


NEXUS QTN 450



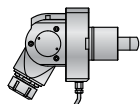
STRAIGHT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MA-5.0	Standard	GH-44454-00	ISO-40	75	6,000
MA-5.0 RI	Coolant Thru	GH-44613-00	ISO-40	75	6,000



90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-5.0	Standard	GH-44455-00	ISO-40	75	6,000
M90-5.0 RI	Coolant Thru	GH-44614-00	ISO-40	75	6,000



UNIVERSAL TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MCU-3.5	Standard	GH-44568-00	ER-32	32	6,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm



WT-100



CROSS DRILL - SINGLE OUTPUT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
A26330	Standard	GH-44586-00	ER-25A	17.5	8,000
A26330C	Coolant Thru	GH-44635-00	ER-25A	17.5	8,000

6,000 RPM Maximum • ER-16A = 0.5-10mm
Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm



CROSS DRILL - OFFSET TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
A26330S	2:1 Speeder	GH-44636-00	ER-16A	15.6	8,000



CROSS DRILL - DUAL OUTPUT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MA-1.5 2U	Standard	GH-44446-00	ER-16A	15.6	8,000
MA-2.5 2U H75	Extended Length	GH-44986-00	ER-16A	15.6	8,000



CROSS DRILL - TRIPLE OUTPUT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MA-1.5 3U	Standard	GH-44447-00	ER-16A	15.6	8,000
MA-2.5 3U H75	Extended Length	GH-44987-00	ER-16A	15.6	8,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm
ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm
*Do not use on WT-100 or WY-100



WY-100



FACE DRILL - SINGLE OUTPUT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
A26333	Standard	GH-44587-00	ER-16A	15.6	8,000
A26333 H75	Extended Length	GH-44980-00	ER-25A	25.1	8,000
A26333C	Coolant Thru	GH-44637-00	ER-25A	25.1	8,000
A26333C H75	Coolant Thru Ext. Length	GH-44981-00	ER-25A	25.1	8,000
A26333S	2:1 Speeder	GH-44638-00	ER-16A	15.6	12,000
A26333S H75	2:1 Speeder Ext. Length	GH-44982-00	ER-16A	15.6	12,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm



FACE DRILL - DUAL OUTPUT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-1.5 2U	Standard	GH-44448-00	ER-16A	15.6	8,000
M90-2.5 F 2U H75	Extended Length	GH-44984-00	ER-16A	15.6	8,000
M90-2.5 FS 2U H75	2:1 Speeder Extended Length	GH-44985-00	ER-16A	15.6	8,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm
 ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm
 *Do not use on WT-100 or WY-100



NTJ-100



FACE DRILL - DUAL OUTPUT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
A26333-2U WT100	Standard	GH-44772-00	ER-25A	25.1	8,000
A26333 2U H75	Extended Length	GH-44983-00	ER-25A	25.1	8,000



ADJUSTABLE ANGLE TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
AUAT 0.5	Standard	GH-44639-00	ER-11	10	8,000



WY-150



CROSS DRILL TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
KZ-1510	Standard	GH-41510-00	ER-25	-	6,000
KZ-1510-ER32	Standard	GH-41510-03	ER-32	-	6,000
KZ-1510 C	Coolant Thru	GH-41510-01	ER-25	-	6,000
KZ-1510C-ER32	Coolant Thru	GH-41510-06	ER-32	-	6,000
KZ-1510S-2:1	2:1 Speeder	GH-41510-08	ER-20A	15.6	12,000



FACE DRILL TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
KZ-1513	Standard	GH-41513-25	ER-25	25.1	6,000
KZ-1513-ER32	Standard	GH-41513-26	ER-32	45	6,000
KZ-1513C	Coolant Thru	GH-41513-27	ER-25	25.1	6,000
KZ-1513C-ER32	Coolant Thru	GH-41513-28	ER-32	45	6,000
KZ-1513 S **	2:1 Speeder	GH-41513-37	ER-20A	15.6	12,000



DUAL OUTPUT FACE TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
KZ-1513-2U **	Standard	GH-41513-30	ER-25	25.1	6,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm



SUPER NTJ



ADJUSTABLE ANGLE TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MCU-1.5-TW10	Standard	GH-44132-00	ER-16	6.1	6,000
MCU-1.5-TW10S	4:1 Speeder	GH-44165-00	ER-16	4	12,000



OFFSET FACE EXTENDED DRILL TOOLS*

Tool	Tool Type	GH Number	Output	Torque	RPM
KZ-1513 D **	Standard	GH-41513-21	ER-25	25.1	6,000
KZ-1513 D **	Standard	GH-41513-09	ER-32	29.8	6,000
KZ-1513 DC **	Coolant Thru	GH-41513-04	ER-25	25.1	6,000
KZ-1513 DC **	Coolant Thru	GH-41513-13	ER-32	29.8	6,000
KZ-1513 CS **	2:1 Speeder Coolant Thru	GH-41513-19	ER-20	15.6	12,000



FACE DRILL EXTENDED TOOLS*

Tool	Tool Type	GH Number	Output	Torque	RPM
KZ-1513 R75	Standard	GH-41513-18	ER-25	25	6,000
KZ-1513-2U R75	Standard	GH-41513-23	ER-25/25	29	6,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm

* EXTENDED REACH - USED WITH "Y" AXIS (SEE TOOL DRAWING)

** DO NOT USE THIS TOOL WITH THE TW-10 MODEL. (SEE TOOL DRAWING)



WY-150



CROSS DRILL TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
KZ-1510	Standard	GH-41510-00	ER-25	-	6,000
KZ-1510-ER32	Standard	GH-41510-03	ER-32	-	6,000
KZ-1510 C	Coolant Thru	GH-41510-01	ER-25	-	6,000
KZ-1510C-ER32	Coolant Thru	GH-41510-06	ER-32	-	6,000
KZ-1510S-2:1	2:1 Speeder	GH-41510-08	ER-20A	15.6	12,000



FACE DRILL EXTENDED TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
KZ-1513 R75	Standard	GH-41513-18	ER-25	25	6,000
KZ-1513-2U R75	Standard	GH-41513-23	ER-25/25	29	6,000



OFFSET FACE EXTENDED DRILL TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
KZ-1513 D	Standard	GH-41513-21	ER-25	25.1	6,000
KZ-1513 D	Standard	GH-41513-09	ER-32	29.8	6,000
KZ-1513 DC	Coolant Thru	GH-41513-04	ER-25	25.1	6,000
KZ-1513 DC	Coolant Thru	GH-41513-13	ER-32	29.8	6,000
KZ-1513 S	2:1 Speeder	GH-41513-37	ER-20A	15.6	12,000
KZ-1513 CS	2:1 Speeder Coolant Thru	GH-41513-19	ER-20	15.6	12,000



WT-250



FACE DRILL TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
KZ-1513*	Standard	GH-41513-25	ER-25	25.1	6,000
KZ-1513-ER32*	Standard	GH-41513-26	ER-32	45	6,000
KZ-1513C*	Coolant Thru	GH-41513-27	ER-25	25.1	6,000
KZ-1513C-ER32*	Coolant Thru	GH-41513-28	ER-32	45	6,000



DUAL OUTPUT FACE TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
KZ-1513-2U*	Standard	GH-44164-00	ER-25	25.1	6,000



ADJUSTABLE ANGLE TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MCU-1.5-TW10	Standard	GH-44132-00	ER-16	6.1	6,000
MCU-1.5 TW10S	4:1 Speeder	GH-44165-00	ER-16	4	12,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm

* WILL NOT REACH CENTER - (SEE TOOL DRAWING)



SC-300



CROSS DRILL TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
KR-2310	Standard	GH-44091-00	ER-32	-	6,000
KR-2310 C	Coolant Thru	GH-42310-01	ER-32	-	6,000
KR-2310 S	2:1 Speeder	GH-42310-04	ER-25A	30.1	12,000



FACE DRILL TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
KR-2313	Standard	GH-44092-00	ER-32	45	6,000
KR-2313 C	Coolant Thru	GH-42313-03	ER-32	45	6,000



OFFSET FACE EXTENDED DRILL TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
KR-2313 D**	Standard	GH-42313-01	ER-32	45	6,000
KR-2313 DC**	Coolant Thru	GH-42313-05	ER-32	45	6,000
KR-2313 DS**	2:1 Speeder	GH-42313-07	ER-25	25.1	12,000
KR-2313 DCS**	2:1 Speeder Coolant Thru	GH-42313-09	ER-25	25.1	12,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

**WT-300****DUAL OUTPUT FACE TOOLS**

Tool	Tool Type	GH Number	Output	Torque	RPM
KR-2313 2U**	Standard	GH-4	ER-25	45	6,000

**ADJUSTABLE ANGLE TOOLS**

Tool	Tool Type	GH Number	Output	Torque	RPM
MCU-1.5-TW20	Standard	GH-44155-00	ER-16	6.1	6,000
MCU-1.5-TW20S	4:1 Speeder	GH-44177-00	ER-16	4	12,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm

** DO NOT USE THIS TOOL WITH THE TW-20 MODEL. (SEE TOOL DRAWING)



SC-450L



CROSS DRILL TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
KR-3510	Standard	GH-43510-01	ER-40	-	6,000
KR-3510 C	Coolant Thru	GH-43510-02	ER-40	-	6,000



FACE DRILL TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
KR-3513	Standard	GH-43513-01	ER-40	74.9	6,000
KR-3513 C	Coolant Thru	GH-43513-02	ER-40	74.9	6,000



ADJUSTABLE ANGLE TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MCU-2.5 TW30	Standard	GH-44175-00	ER-25	20.3	6,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm



WY-250L



CROSS DRILL TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
KG-4310	Standard	GH-44487-00	ER-32	-	6,000
KG-4310 C	Coolant Thru	GH-44488-00	ER-32	-	6,000



FACE DRILL TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
KG-4313	Standard	GH-44489-00	ER-32	45	6,000
KG-4313	Standard	GH-44768-00	ER-32/H=75	45	6,000
KG-4313 C	Coolant Thru	GH-44490-00	ER-32	45	6,000



DUAL OUTPUT FACE TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
KG-4313 2U	Standard	GH-44769-00	ER-32	45	6,000



ADJUSTABLE ANGLE TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MCU-1.5	Standard	GH-44770-00	ER-16	6.1	6,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm



LT2000EX

			STRAIGHT OFFSET FRONT TOOLS	STRAIGHT TOOLS	90° TOOLS	DUAL OUT- PUT TOOLS	UNIVERSAL TOOLS
LT-2000 M/MY/MYW LT-2000EX	Standard	Tool	MA-2.5 R	MA-2.5	M90-2.5	M90-2.5 2U	MCU-1.5
		GH#	GH-44886-00	GH-44810-00	GH-44811-00	GH-44887-00	GH-44888-00
		Output	ER-25	ER-25	ER-25	ER-25/25	ER-16
		Nm/ft.lbs.	45/33	-	45/33	45/33	10/7.4
		RPM	6,000	6,000	6,000	6,000	6,000
	Coolant Thru	Tool		MA-2.5 RI	M90-2.5 RI		
		GH#		GH-44812-00	GH-44813-00		
		Output		ER-25	ER-25		
		Nm/ft.lbs.		-	45/33		
		RPM		6,000	6,000		

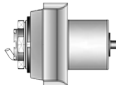
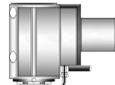
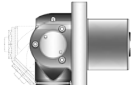
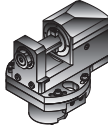
Coolant Pressure Straight Tools = 10 Bar/145 PSI • Coolant Pressure 90° Tools = 70 Bar/1050 PSI

RPM = Maximum • ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm •

LB2000M | LB3000M | LU3000M GENOS L2000 | L3000 | LB4000EX



LB4000EX

			STRAIGHT TOOLS	90° TOOLS	UNIVERSAL TOOLS	HOBBING HEAD
						
LB2000M LB3000M LU3000M GENOS L2000 L3000	Standard	Tool	MA-3.5	M90-3.5	MCU-1.5	-
		GH#	GH-44492-00	GH-44496-00	GH-44500-00	GH-45063-00
		Output	ER-32A	ER-32	ER-16A	
		Nm/ft.lbs.	-	50/37	10/7.4	40/30
		RPM	6,000	6,000	6,000	4,500
	Coolant Thru	Tool	MA-3.5 RI	M90-3.5 RI		
		GH#	GH-44494-00	GH-44498-00		
		Output	ER-32A	ER-32		
		Nm/ft.lbs.	-	50/37		
		RPM	6,000	6,000		
LB4000EX	Standard	Tool	MA-4.5	M90-4.5	MCU-1.5	-
		GH#	GH-44493-00	GH-44497-00	GH-44501-00	GH-45064-00
		Output	ER-40	ER-40	20A	
		Nm/ft.lbs.	-	50/37	10/7.4	40/30
		RPM	6,000	6,000	6,000	4,500
	Coolant Thru	Tool	MA-4.5 RI	M90-4.5 RI		
		GH#	GH-44495-00	GH-44499-00		
		Output	ER-40	ER-40		
		Nm/ft.lbs.	-	50/37		
		RPM	6,000	6,000		

Coolant Pressure Straight Tools = 70 Bar/1000 PSI • Coolant Pressure 90° Tools = 70 Bar/1000 PSI • RPM = Maximum
 ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm
 ER-32/ER-32A = 1-20mm • ER-40 = 2-30mm



GENOS L2000

			STRAIGHT TOOLS	90° TOOLS	90° OFFSET TOOLS	UNIVERSAL TOOLS	Y-AXIS OFFSET TOOLS	90° DISC HOLDER TOOLS
GENOS L200 ES-L8II LB-200M LR-10M LB-10IIM LB-10M	Standard	Tool	MA-2.5	M90-2.5	M90-2.5 D	MCU-1.5	KH-10012-00	KH-10013-00
		GH#	GH-44313-00	GH-44312-00	GH-44527-00	GH-44529-00		
		Output	ER-25	ER-25	ER-25	ER-16	ER-25	3/4" Arbor
		Nm/ft.lbs.	-	16/11.8	16/11.8	16/11.8	16/11.8	40/29.5
	Coolant Thru	RPM	6,000	6,000	6,000	6,000	6,000	2,500
		Tool	MA-2.5 RI	M90-2.5 RI				
		GH#	GH-44526-00	GH-44528-00				
		Output	ER-25	ER-25				
		Nm/ft.lbs.	-	16/11.8				
		RPM	6,000	6,000				

Coolant Pressure Straight Tools = 10 Bar/145 PSI • Coolant Pressure 90° Tools = 70 Bar/1050 PSI • RPM = Maximum
ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm

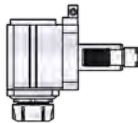
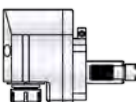
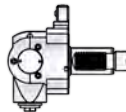
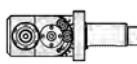
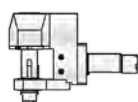
			STRAIGHT OFFSET FRONT TOOLS	STRAIGHT OFFSET BACK TOOLS	STRAIGHT OFFSET DUAL TOOLS	90° TOOLS	90° OFFSET TOOLS	UNIVERSAL TOOLS	Y-AXIS OFFSET TOOLS	90° DISC HOLDER TOOLS
LB-200MW	Standard	Tool	MA-2.5 R	MA-2.5 R	MA-2.5 R 2U	M90-2.5	M90-2.5 D	MCU-1.5	KH-10021-00	KH-10022-00
		GH#	GH-44510-00	GH-44511-00	GH-44512-00	GH-44312-00	GH-44527-00	GH-44529-00		
		Output	ER-25	ER-25	ER-25	ER-25	ER-25	ER-16	ER-25	3/4" Arbor
		Nm/ft.lbs.	16/11.8	16/11.8	16/11.8	16/11.8	16/11.8	16/11.8	16/11.8	40/29.5
	Coolant Thru	RPM	6,000	6,000	6,000	6,000	6,000	6,000	6,000	2,500
		Tool				M90-2.5 RI				
		GH#				GH-44528-00				
		Output				ER-25				
		Nm/ft.lbs.				16/11.8				
		RPM				6,000				

Coolant Pressure Straight Tools = 10 Bar/145 PSI • Coolant Pressure 90° Tools = 70 Bar/1050 PSI • RPM = Maximum
ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm

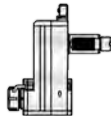
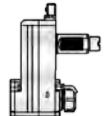
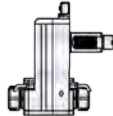
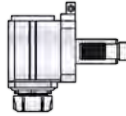
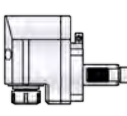
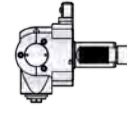
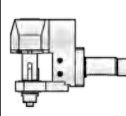


LU-300M



			STRAIGHT TOOLS	90° TOOLS	90° OFFSET TOOLS	UNIVERSAL TOOLS	Y-AXIS OFFSET TOOLS	90° DISC HOLDER TOOLS
								
GENOS L300 L-370 CAPTAIN LB-300 SERIES LU-300M LU-15M LB-15 SERIES ESL-10	Standard	Tool	MA-3.5	M90-3.5	M90-3.5 D	MCU-2.5	KH-10029-00	KH-10030-00
		GH#	GH-44314-00	GH-44315-00	GH-44335-00	GH-44316-00		
		Output	ER-32	ER-32	ER-32	ER-25	ER-40	1" Arbor
		Nm/ft.lbs.	-	50/37	50/37	25/18.4	25/18.4	80/59
		RPM	6,000	6,000	6,000	6,000	6,000	2,000
	Coolant Thru	Tool	MA-3.5 RI	M90-3.5 RI				
		GH#	GH-44331-00	GH-44332-00				
		Output	ER-32	ER-32				
		Nm/ft.lbs.	-	50/37				
		RPM	6,000	6,000				

Coolant Pressure Straight Tools = 10 Bar/145 PSI • Coolant Pressure 90° Tools = 70 Bar/1050 PSI • RPM = Maximum
ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm

			STRAIGHT OFFSET FRONT TOOLS	STRAIGHT OFFSET BACK TOOLS	STRAIGHT OFFSET DUAL TOOLS	90° TOOLS	90° OFFSET TOOLS	UNIVERSAL TOOLS	Y-AXIS OFFSET TOOLS	90° DISC HOLDER TOOLS
										
L-370MW LB-300MW LU-15MW	Standard	Tool	MA-3.5 R	MA-3.5 R	MA-3.5 R 2U	M90-3.5	M90-3.5 D	MCU-2.5	KH-10038-00	KH-10039-00
		GH#	GH-44385-00	GH-44386-00	GH-44384-00	GH-44315-00	GH-44335-00	GH-44316-00		
		Output	ER-32	ER-32	ER-32	ER-32	ER-32	ER-25		
		Nm/ft.lbs.	50/37	50/37	50/37	50/37	50/37	25/18.4		
		RPM	6,000	6,000	6,000	6,000	6,000	6,000		
	Coolant Thru	Tool				M90-3.5 RI				
		GH#				GH-44332-00				
		Output				ER-32				
		Nm/ft.lbs.				50/37				
		RPM				6,000				

Coolant Pressure Straight Tools = 10 Bar/145 PSI • Coolant Pressure 90° Tools = 70 Bar/1050 PSI • RPM = Maximum
ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm



LU-400M

			STRAIGHT TOOLS	90° TOOLS	90° OFFSET TOOLS	UNIVERSAL TOOLS	Y-AXIS OFFSET TOOLS	90° DISC HOLDER TOOLS
L-470 CAPTAIN LB-400M LB-25 SERIES LU-400M LU-25M	Standard	Tool	MA-4.5	M90-4.5	M90-4.5 D	MCU-2.5	KH-10046-00	KH-10047-00
		GH#	GH-44317-00	GH-44318-00	GH-44507-00	GH-44505-00		
		Output	ER-40	ER-40	ER-40	ER-25	ER-40	1" Arbor
		Nm/ft.lbs.	-	50/37	50/37	25/18.4	25/18.4	80/59
		RPM	6,000	6,000	6,000	6,000	6,000	2,000
	Coolant Thru	Tool	MA-4.5 RI	M90-4.5 RI				
		GH#	GH-44333-00	GH-44383-00				
		Output	ER-40	ER-40				
		Nm/ft.lbs.	-	50/37				
		RPM	6,000	6,000				

Coolant Pressure Straight Tools = 10 Bar/145 PSI • Coolant Pressure 90° Tools = 70 Bar/1050 PSI • RPM = Maximum
ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm

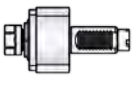
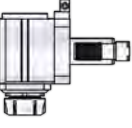
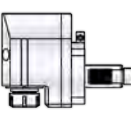
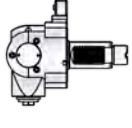
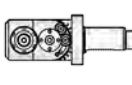
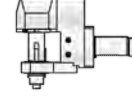
			STRAIGHT OFFSET FRONT TOOLS	STRAIGHT OFFSET BACK TOOLS	STRAIGHT OFFSET DUAL TOOLS	90° TOOLS	90° OFFSET TOOLS	UNIVERSAL TOOLS	Y-AXIS OFFSET TOOLS	90° DISC HOLDER TOOLS
L-470MW LB-400MW	Standard	Tool	MA-3.5 R	MA-3.5 R	MA-3.5 R 2U	M90-4.5	M90-4.5 D	MCU-2.5	KH-10046-00	KH-10047-00
		GH#	GH-44385-00	GH-44386-00	GH-44384-00	GH-44318-00	GH-44507-00	GH-44505-00		
		Output	ER-32	ER-32	ER-32	ER-40	ER-40	ER-25	ER-25	3/4" Arbor
		Nm/ft.lbs.	50/37	50/37	50/37	50/37	50/37	25/18.4	16/11.8	40/29.5
		RPM	6,000	6,000	6,000	6,000	6,000	6,000	6,000	2,500
	Coolant Thru	Tool				M90-2.5 RI				
		GH#				GH-44528-00				
		Output				ER-25				
		Nm/ft.lbs.				16/11.8				
		RPM				6,000				

Coolant Pressure Straight Tools = 10 Bar/145 PSI • Coolant Pressure 90° Tools = 70 Bar/1050 PSI • RPM = Maximum
ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm

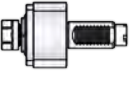
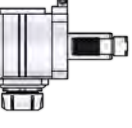
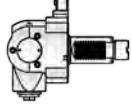
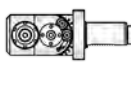
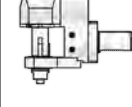


LU-45

LOKUMA

			STRAIGHT TOOLS	90° TOOLS	90° OFFSET TOOLS	UNIVERSAL TOOLS	Y-AXIS OFFSET TOOLS	90° DISC HOLDER TOOLS
								
LU-35M LU-35IIM LB-35M LB-35IIM	Standard	Tool	MA-4.5	M90-4.5	M90-4.5 D	MCU-3.5	KH-10054-00	KH-10055-00
		GH#	GH-44343-00	GH-44522-00	GH-44523-00	GH-44525-00		
		Output	ER-40	ER-40	ER-40	ER-32	ER-40	1" Arbor
		Nm/ft.lbs.	-	50/37	50/37	25/18.4	50/37	80/59
		RPM	6,000	6,000	6,000	6,000	6,000	2,000
	Coolant Thru	Tool	MA-4.5 RI	M90-4.5 RI				
		GH#	GH-44344-00	GH-44524-00				
		Output	ER-40	ER-40				
		Nm/ft.lbs.	-	50/37				
		RPM	6,000	6,000				

Coolant Pressure Straight Tools = 10 Bar/145 PSI • Coolant Pressure 90° Tools = 70 Bar/1050 PSI • RPM = Maximum
ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm

			STRAIGHT TOOLS	90° TOOLS	UNIVERSAL TOOLS	Y-AXIS OFFSET TOOLS	90° DISC HOLDER TOOLS
							
LU-45 LB-45	Standard	Tool	MA-5.0	M90-5.0	MCU-3.5	KH-10069-00	KH-10070-00
		GH#	GH-44482-00	GH-44519-00	GH-44520-00		
		Output	ER-50	ER-50	ER-32	ER-40	1" Arbor
		Nm/ft.lbs.	-	100/74	25/18.4	50/37	120/88
		RPM	6,000	6,000	6,000	6,000	2,000
	Coolant Thru	Tool	MA-5.0 RI	M90-5.0 RI			
		GH#	GH-44340-00	GH-44341-00			
		Output	ER-50	ER-50			
		Nm/ft.lbs.	-	100/74			
		RPM	6,000	6,000			

Coolant Pressure Straight Tools = 10 Bar/145 PSI • Coolant Pressure 90° Tools = 70 Bar/1050 PSI • RPM = Maximum
ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm



LT200-M

			STRAIGHT TOOLS	90° MAIN SPINDLE TOOLS	90° SUB SPINDLE TOOLS	UNIVERSAL TOOLS	STRAIGHT Y-AXIS OFFSET TOOLS	90° DISC HOLDER TOOLS
LT-200MY LT-200M LT-10M	Standard	Tool	MA-2.5	M90-2.5	M90-2.5 D	MCU-1.5	KH-10086-00	KH-10087-00
		GH#	GH-44387-00	GH-44106-00	GH-44358-00	GH-44391-00		
		Output	ER-25	ER-25	ER-25	ER-16		
		Nm/ft.lbs.	-	16/11.8	16/11.8	10/7.4		
		RPM	6,000	6,000	6,000	6,000		
	Coolant Thru	Tool	MA-2.5 RI	M90-2.5 RIC	M90-2.5 D RI			
		GH#	GH-44418-00	GH-44419-00	GH-44532-00			
		Output	ER-25	ER-25	ER-25			
		Nm/ft.lbs.	-	16/11.8	16/11.8			
		RPM	6,000	6,000	6,000			

Coolant Pressure Straight Tools = 10 Bar/145 PSI • Coolant Pressure 90° Tools = 70 Bar/1050 PSI • RPM = Maximum
 ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm



LOKUMA

LT3000EX

			STRAIGHT TOOLS	90° TOOLS	UNIVERSAL TOOLS
					
LT-3000 M/MY/MYW LT-2000EX	Standard	Tool	MA-3.5	M90-3.5	MCU-1.5
		GH#	GH-45065-00	GH-45066-00	GH-45069-00
		Output	ER-32	ER-32	ER-16
		Nm/ft.lbs.	-	45/33	10/7.4
		RPM	6,000	6,000	6,000
	Coolant Thru	Tool	MA-3.5 RI	M90-3.5-RI	
		GH#	GH-45067-00	GH-45068-00	
		Output	ER-32	ER-32	
		Nm/ft.lbs.	-	45/33	
		RPM	6,000	6,000	

Coolant Pressure Straight Tools = 10 Bar/145 PSI • Coolant Pressure 90° Tools = 70 Bar/1050 PSI
 RPM = Maximum • ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm ER-25/ER-25A = 0.5-16mm
 • ER-32 = 1-20mm • ER-40 = 2-30mm •



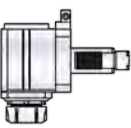
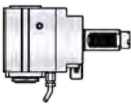
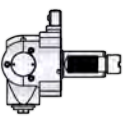
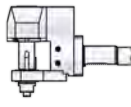
LT300-MY

			STRAIGHT TOOLS	90° MAIN SPINDLE TOOLS	90° SUB SPINDLE TOOLS	UNIVERSAL TOOLS	STRAIGHT Y-AXIS OFFSET TOOLS	90° DISC HOLDER TOOLS
LT-300MY LT-300M LT-15M	Standard	Tool	MA-3.5	M90-3.5	M90-3.5 D	MCU-1.5	KH-10095-00	KH-10096-00
		GH#	GH-44399-00	GH-44400-00	GH-44442-00	GH-44152-00		
		Output	ER-32	ER-32	ER-32	ER-16		
		Nm/ft.lbs.	-	50/37	50/37	10/7.4		
		RPM	6,000	6,000	6,000	6,000		
	Coolant Thru	Tool	MA-3.5 RI	M90-3.5 RI	M90-3.5 D RI			
		GH#	GH-44334-00	GH-44533-00	GH-44534-00			
		Output	ER-32	ER-32	ER-32			
		Nm/ft.lbs.	-	50/37	50/37			
		RPM	6,000	6,000	6,000			

Coolant Pressure Straight Tools = 10 Bar/145 PSI • Coolant Pressure 90° Tools = 70 Bar/1050 PSI • RPM = Maximum
 ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm

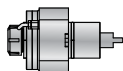


LT25

			STRAIGHT TOOLS	90° MAIN SPINDLE TOOLS	90° SUB SPINDLE TOOLS	UNIVERSAL TOOLS	STRAIGHT Y-AXIS OFFSET TOOLS	90° DISC HOLDER TOOLS
								
LT-25M	Standard	Tool	MA-4.5	M90-4.5	M90-4.5 D	MCU-2.5	KH-10104-00	KH-10105-00
		GH#	GH-44388-00	GH-44389-00	GH-44531-00	GH-44537-00		
		Output	ER-40	ER-40	ER-40	ER-25		
		Nm/ft.lbs.	-	50/37	50/37	20/15		
		RPM	6,000	6,000	6,000	6,000		
	Coolant Thru	Tool	MA-4.5 RI	M90-4.5 RI	M90-4.5 D RI			
		GH#	GH-44530-00	GH-44535-00	GH-44536-00			
		Output	ER-40	ER-40	ER-40			
		Nm/ft.lbs.	-	50/37	50/37			
		RPM	6,000	6,000	6,000			

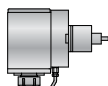
Coolant Pressure Straight Tools = 10 Bar/145 PSI • Coolant Pressure 90° Tools = 70 Bar/1050 PSI • RPM = Maximum
 ER-11 = 0.5-7mm • ER-16/ER-16A = 0.5-10mm • ER-20/ER-20A = 0.5-13mm • ER-25/ER-25A = 0.5-16mm • ER-32 = 1-20mm • ER-40 = 2-30mm

**SL1500 | SL2000M | SL2000BM | SL2000BM
SL3000M/1000 | SL3000BM**



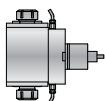
STRAIGHT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MA-2.5	Standard	GH-44941-00	ER-25	-	6,000
MA-2.5 IC	Coolant Thru	GH-44942-00	ER-25	-	6,000



90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-2.5	Standard	GH-44943-00	ER-25	25.1	6,000
M90-2.5 IC	Coolant Thru	GH-44944-00	ER-25	25.1	6,000



DUAL OUTPUT 90° TOOLS

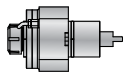
Tool	Tool Type	GH Number	Output	Torque	RPM
M90-2.5 2U	Standard	GH-44945-00	ER-25/25	25.1	6,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

BMT-65 LATHE MACHINE

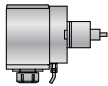


SL35MC/1500 | SL3500BM



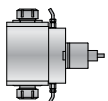
STRAIGHT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MA-3.5	Standard	GH-45051-00	ER-32	-	6,000
MA-3.5 IC	Coolant Thru	GH-45052-00	ER-32	-	6,000



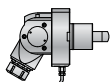
90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-3.5	Standard	GH-45053-00	ER-32	45	6,000
M90-3.5 IC	Coolant Thru	GH-45054-00	ER-32	45	6,000



DUAL OUTPUT 90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-3.5 2U	Standard	GH-45055-00	ER-32/32	45	6,000



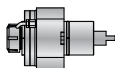
UNIVERSAL TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MCU-2.5	Standard	GH-45159-00	ER-25	45	6,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

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**SL-45MC/2200BB | SL-4500CXM | SL-45MC/3000BB
SL4500CLM**



STRAIGHT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MA-4.5	Standard	GH-44946-00	ER-40	-	6,000
MA-4.5 IC	Coolant Thru	GH-44947-00	ER-40	-	6,000



90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-4.5	Standard	GH-44948-00	ER-40	50	6,000
M90-4.5 IC	Coolant Thru	GH-44949-00	ER-40	50	6,000



DUAL OUTPUT 90° TOOLS

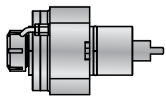
Tool	Tool Type	GH Number	Output	Torque	RPM
M90-4.5 2U	Standard	GH-44950-00	ER-40/40	50	6,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

BMT-85 LATHE MACHINE

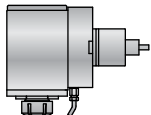


SL-65MC/1000 | SL6500AM | SL-65MC/3200
SL6500ALM



STRAIGHT TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
MA-5	Standard	GH-44951-00	ER-50	-	6,000
MA-5 IC	Coolant Thru	GH-44952-00	ER-50	-	6,000



90° TOOLS

Tool	Tool Type	GH Number	Output	Torque	RPM
M90-5	Standard	GH-44953-00	ER-50	100	6,000
M90-5 IC	Coolant Thru	GH-44954-00	ER-50	100	6,000

Coolant Pressure = 70 Bar/1050 PSI • RPM = Maximum • Torque = Nm

Turn your CNC lathe machine into an ultimate performance profit center with machine tool accessories from Alberti and Koma Precision. Innovative design, passionate attention to detail and state of the art production facilities result in an unmatched precision at an affordable price.

The Alberti SmartChange System is a quick tool change feature that offers a complete range of live tools with interchangeable adapters. With the SmartChange System, one set of live tools can always stay in the machine with only the adapters needing to be changed. This improves efficiency and flexibility, plus a reduction in overall tooling costs.



Custom designed live tools from KOMA Precision represent the state of the art in ultra precision, application specific tooling. Specialty tooling has been designed incorporating up to 252 spindles for a complete range of machine tools, as well as OEM specialty machinery.

Alberti live tools are designed to facilitate unmatched precision when machining parts with demanding complexity. Tools available from stock include more than 250 types of standard live tools.

TOOLING BUILD FEATURES

Alberti GS 600 Cast Iron Tool Bodies



MATERIAL: GS 600 Spheroidal Cast Iron

GS 600 is the same cast iron as used for the beds of machine tools. GS 600 features a low percentage of carbon, and spheroids are added during casting to provide compact grain structure and enhance the mechanical features of the material.

GS 600 ADVANTAGES:

- High tensile strength - 60kg/mm² (40% higher than steel, twice that of aluminum).
- High compression strength (absorbs vibration).
- Low thermal expansion (maintains accuracy & bearing pre-loads).
- Excellent dimensional stability (maintains accuracy).

TOOL BODY FEATURES:

- Bodies are completely machined inside & outside contributing to uniform weight.
- Bearing housing surfaces are ground.
- Bodies are chromium plated with (2) precision-lapped surfaces parallel to the tool output spindle for accurate alignment.

Alberti: Gleason Gears



GEARING MATERIAL - ADJUSTABLE ANGLE TOOLS:

Aerospace/military grade steel with ultimate strength of 300 kg/mm².

GEARING MATERIAL - ALL OTHER MODELS:

Same steel as in the gears of Formula One race car transmissions with an ultimate strength of 190 kg/mm². (A "good" gear steel has an ultimate strength of 120 kg/mm².)

All bevel gears used are spiral Gleason gears, not spur gears. Gleason gears provide more than one tooth of engagement thereby creating optimized meshing of the teeth, greater power transmission, and reduced noise during operation. Gleason provides the following computerized data computation for each set of gears used in Alberti tools:

- Maximum pitch diameter.
- Ultimate strength of the material.
- Minimum & maximum RPM of the gears.

ALBERTI SPINDLE, SHAFT & BEARINGS



TOOL INPUT SHAFTS & OUTPUT SHAFTS

MATERIAL: 18 NiCrMo5 (Nickel Chrome Moly) with no lead, case hardened and tempered (Certified to ISO9000/9001/9002).

ADVANTAGES

Lead increases machinability prior to heat-treating, but reduces strength up to 50%. This is especially important for the shafts and shanks, which are subject to great stress during heavy machining operations.

BEARINGS

All shafts are supported by (2) or (3) Abec 7 angular contact bearings. Angular contact bearings represent the evolution of conical rollers and support both axial & radial loads. All tool body bearing housing surfaces are ground for maximum precision.





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