NPR
New Product Release

DEC 2026 | Metric

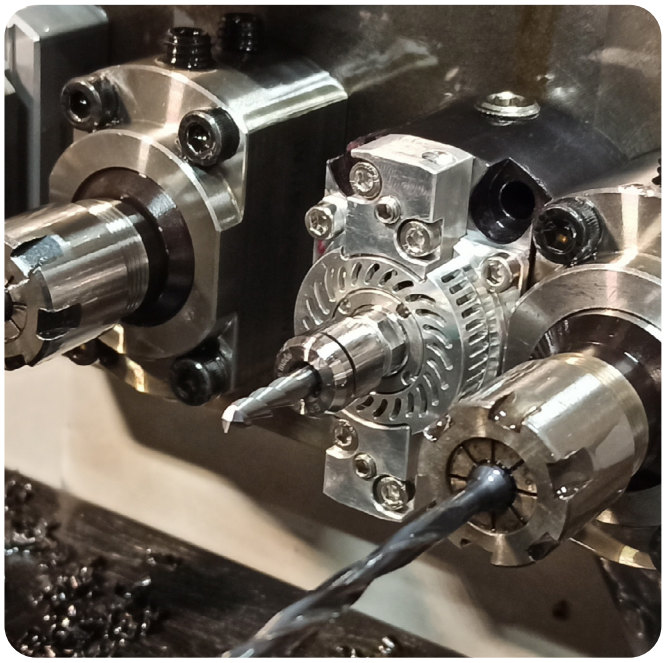
SWISS Jet

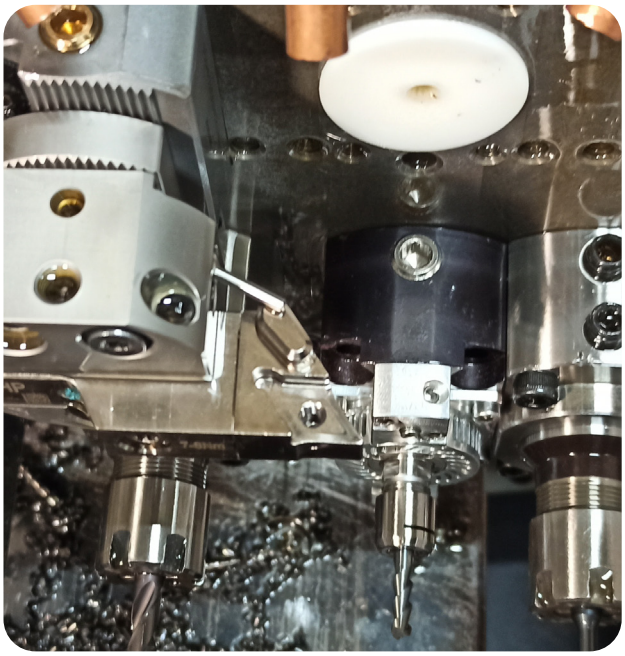
COLIBRI SWISS JET - Universal for all Swiss Type Lathes

UNIVERSAL
For All Swiss Type Lathes
Replaceable Jet Spindle Cartridge
Connect it like any holder
Plug and Play

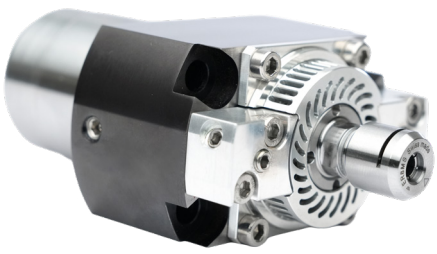
COLIBRI
SPINDLES

Highlights





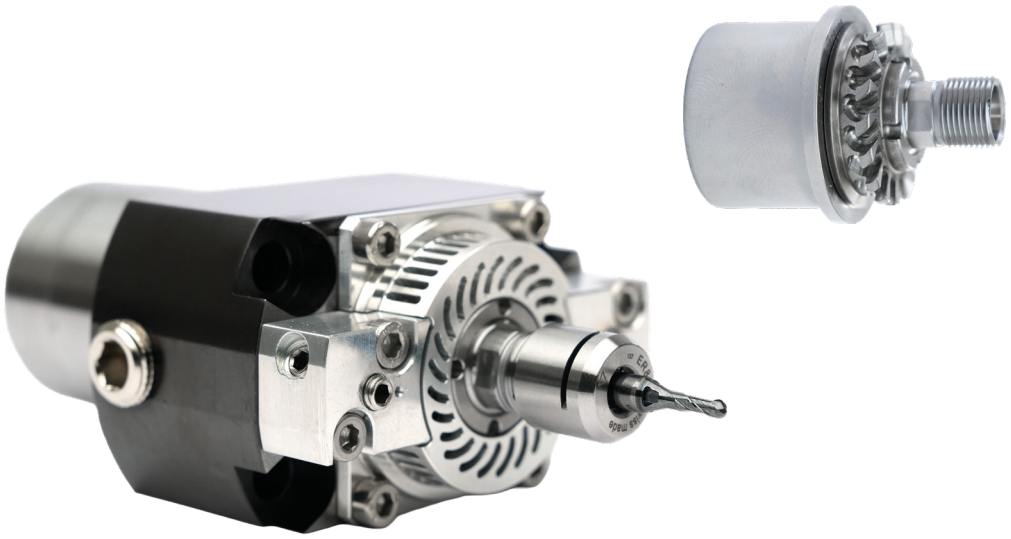
- SWISS Type High-Speed Spindle
- Entire range of Swiss Type Lathes
- Works in almost any postition
- Just connect like any holder
- Mill, drill, thread mill, groove, profile, engrave
- Shortest cycle-time with cleanest finish
- Lowest wear on your small cutting tools



Features

The SWISS Jet Spindle, with Replaceable Jet Spindle Cartridge, Comes with the Following Key Features & Benefits

FEATURE	BENEFIT
NEW cartridge design	On-sight maintenance
Swiss Type design	Plug n Play installation on Swiss type turning machine
High precision ER8 Nut & Collet	Supports cutting tools 0.5 - 5 mm shank, with accuracy
Low run out	Accuracy up to 3 microns at the cone
Optimal performance	Output power of large jet spindle in mini size design
High speed precision ball bearings	High speed machining up to 56,000 RPM
Rear & top side high pressure coolant inlets	Quick and easy connection to high pressure coolant
Integrated cutting tool coolant nozzle	Effective cooling of the cutting edge
NEW high-pressure turbine	Spindle powered by 15 to 45 bar high pressure coolant

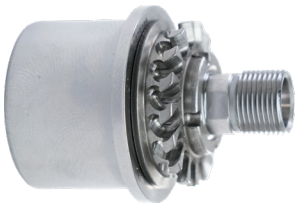


Customers

High Pressure Coolant Driven SWISS Jet Spindle for Full Line of Swiss Type Lathes

Prerequisites to Qualify Customer:

1. Coolant flows through the main CNC machine spindle
2. Min. coolant pressure, of main spindle outlet: 15 bar
3. Max. coolant pressure, of main spindle outlet: 45 bar
4. Minimum flow rate: 10 l/min
5. Max. viscosity 15 mPa*s
6. Filter element: Max. 100 µm
7. Active mist collector
8. When using emulsion coolant, use an anti-foaming agent additive suitable for emulsion
9. When using oil-based coolant, high-pressure increases the oil fumes:
   a. Use appropriate means of fire protection
   b. Use anti-dissolution additive suitable for oil



Operating Data

JET SPINDLE OPERATING PARAMETERS						SWISS JET	
HIGH PRESSURE COOLANT (BAR)	15 BAR	20 BAR	25 BAR	35 BAR	45 BAR	Terms of Use	
Min Coolant Supply Diameter [mm]	4.0					**Collet**	ER8 AA/UP
Min flow rate (L/min)	12	14	16	18	20	**Runout**	3 Microns
Rotational spindle speed [RPM]*	30,000	36,000	38,000	46,000	56,000	**Warranty**	1 Year

*** Notes:**
- Rotational spindle speed is based on coolant pressure and flow rate.
- Coolant pressure is measured at the spindle inlet.

Max. Tool Diameter [mm]	P	M	N [Al]	N [Cu]	S [Ti]
Drilling	2.0		3.0	2.0	
Profile Milling	3.0	4.0			
Slot Milling	3.0	4.0		3.0	
Shoulder Milling	3.0	4.0		4.0	
Chamfering	4.0				
Deburring					
Engraving					

JET SPINDLE OPERATING PARAMETERS

MILLING
- Slotting - up to D=4.0mm, ap= 0.05D
- Shouldering - up to D=4.0mm, ae=0.1D & ap=0.1D

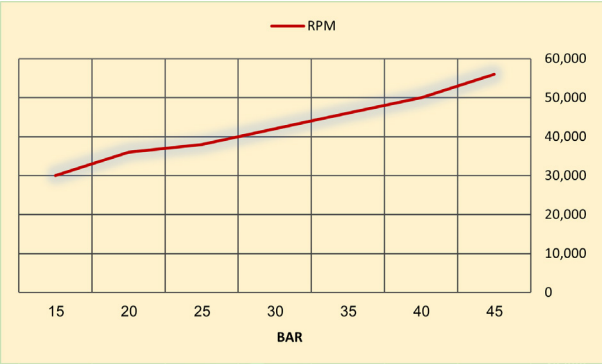
THREAD MILLING
- Max. M3 thread

DRILLING
- Max drill dia. 3.00mm

DEBURRING
- Max tool dia. 4.00mm
- Can use 45 to 60 degree end-mill

ENGRAVING
- Max tool dia. 4.00mm
- Max Ap 0.25mm

BAR	Idle Speed RPM
15	30,000
20	36,000
25	38,000
30	42,000
35	46,000
40	50,000
45	56,000



Features

The SWISS Jet Spindle supports all Swiss type lathes, with **Plug and Play**, high-precision, high-speed sub spindles, that are as simple to install as any sleeve holder tool. Runout up to 3 microns at the ER 8 cone, speed up to 56,000 RPM and power combine to ensure faster, higher quality machining with extended tool life for small cutting tools with shanks up to 5.00 mm or 3/16" diameter.

Recommended Cutting Parameters

	Material	Process	Cutting Tool dia. (mm)	Pressure (bar)	Speed (rpm)	Ae (mm)	Ap (mm)	Fz (mm/t)
P	SAE 1.2316 (35 HRC)	Drilling (Drill)	0.3	20	36,000	Pecking steps: 0,25-0,5xD Max length of the hole: 3-4xD		0.002
			0.3	30	42,000			0.002
			0.3	40	50,000			0.002
			0.5	20	36,000			0.002
			0.5	30	42,000			0.002
			0.5	40	50,000			0.002
			0.8	20	36,000			0.002
			0.8	30	42,000			0.002
			0.8	40	50,000			0.002
			1.0	20	36,000			0.003
			1.0	30	42,000			0.003
			1.0	40	50,000			0.003
			1.5	20	36,000			0.004
			1.5	30	42,000			0.004
			1.5	40	50,000			0.004
			2.0	20	36,000			0.004
			2.0	30	42,000			0.004
			2.0	40	50,000			0.004
		Profile Milling (Ball-Nose)	0.3	20	36,000	0.03	0.02	0.010
			0.3	30	42,000	0.03	0.02	0.010
			0.3	40	50,000	0.03	0.02	0.010
			0.5	20	36,000	0.05	0.03	0.012
			0.5	30	42,000	0.05	0.03	0.012
			0.5	40	50,000	0.05	0.03	0.012
			1.0	20	36,000	0.10	0.06	0.012
			1.0	30	42,000	0.10	0.06	0.012
			1.0	40	50,000	0.10	0.06	0.012
			1.5	20	36,000	0.15	0.09	0.012
			1.5	30	42,000	0.15	0.09	0.012
			1.5	40	50,000	0.15	0.09	0.012
			2.0	20	36,000	0.20	0.12	0.012
			2.0	30	42,000	0.20	0.12	0.012
			2.0	40	50,000	0.20	0.12	0.012
			2.5	20	36,000	0.25	0.15	0.012
			2.5	30	42,000	0.25	0.15	0.012
			2.5	40	50,000	0.25	0.15	0.012
			3.0	20	36,000	0.30	0.15	0.012
			3.0	30	42,000	0.30	0.15	0.012
			3.0	40	50,000	0.30	0.15	0.012

Recommended Cutting Parameters

	Material	Process	Cutting Tool dia. (mm)	Pressure (bar)	Speed (rpm)	Ae (mm)	Ap (mm)	Fz (mm/t)
P	SAE 1.2316 (35 HRC)	Slot Milling (End-Mill)	0.3	20	36,000	0.30	0.03	0.006
			0.3	30	42,000	0.30	0.03	0.006
			0.3	40	50,000	0.30	0.03	0.006
			0.5	20	36,000	0.50	0.05	0.007
			0.5	30	42,000	0.50	0.05	0.007
			0.5	40	50,000	0.50	0.05	0.007
			0.8	20	36,000	0.80	0.08	0.010
			0.8	30	42,000	0.80	0.08	0.010
			0.8	40	50,000	0.80	0.08	0.010
			1.0	20	36,000	1.00	0.10	0.010
			1.0	30	42,000	1.00	0.10	0.010
			1.0	40	50,000	1.00	0.10	0.010
			1.5	20	36,000	1.50	0.12	0.012
			1.5	30	42,000	1.50	0.12	0.012
			1.5	40	50,000	1.50	0.12	0.012
			2.0	20	36,000	2.00	0.15	0.014
			2.0	30	42,000	2.00	0.15	0.014
			2.0	40	50,000	2.00	0.15	0.014
			2.5	20	36,000	2.50	0.18	0.015
			2.5	30	42,000	2.50	0.18	0.015
			2.5	40	50,000	2.50	0.18	0.015
			3.0	20	36,000	3.00	0.20	0.018
			3.0	30	42,000	3.00	0.20	0.018
			3.0	40	50,000	3.00	0.20	0.018
		Shoulder Milling (End-Mill)	0.5	20	36,000	0.03	0.38	0.009
			0.5	30	42,000	0.03	0.38	0.009
			0.5	40	50,000	0.03	0.38	0.010
			1.0	20	36,000	0.05	0.75	0.015
			1.0	30	42,000	0.05	0.75	0.017
			1.0	40	50,000	0.05	0.75	0.018
			2.0	20	36,000	0.08	1.50	0.015
			2.0	30	42,000	0.08	1.50	0.017
			2.0	40	50,000	0.08	1.50	0.018
			3.0	20	36,000	0.10	2.25	0.015
			3.0	30	42,000	0.10	2.25	0.017
			3.0	40	50,000	0.10	2.25	0.018

Recommended Cutting Parameters

	Material	Process	Cutting Tool dia. (mm)	Pressure (bar)	Speed (rpm)	Ae (mm)	Ap (mm)	Fz (mm/t)
M	SS 316 (180-250 HB)	Drilling (Drill)	0.5	20	36,000	Pecking steps: 0,25-0,5xD Max length of the hole: 3-4xD		0.002
			0.5	30	42,000			0.002
			0.5	40	50,000			0.002
			0.8	20	36,000			0.002
			0.8	30	42,000			0.002
			0.8	40	50,000			0.002
			1.0	20	36,000			0.002
			1.0	30	42,000			0.002
			1.0	40	50,000			0.002
			1.5	20	36,000			0.003
			1.5	30	42,000			0.003
			1.5	40	50,000			0.003
			2.0	20	36,000			0.004
			2.0	30	42,000			0.004
			2.0	40	50,000			0.004
		Profile Milling (Ball-Nose)	0.5	20	36,000	0.010	0.008	0.006
			0.5	30	42,000	0.010	0.008	0.006
			0.5	40	50,000	0.010	0.008	0.006
			1.0	20	36,000	0.024	0.053	0.006
			1.0	30	42,000	0.024	0.053	0.006
			1.0	40	50,000	0.024	0.053	0.006
			1.5	20	36,000	0.037	0.088	0.006
			1.5	30	42,000	0.037	0.088	0.006
			1.5	40	50,000	0.037	0.088	0.006
			2.0	20	36,000	0.050	0.122	0.006
			2.0	30	42,000	0.050	0.122	0.006
			2.0	40	50,000	0.050	0.122	0.006
			2.5	20	36,000	0.064	0.160	0.006
			2.5	30	42,000	0.064	0.160	0.006
			2.5	40	50,000	0.064	0.160	0.006
			3.0	20	36,000	0.080	0.192	0.006
			3.0	30	42,000	0.080	0.192	0.006
			3.0	40	50,000	0.080	0.192	0.006
			4.0	20	36,000	0.105	0.262	0.006
			4.0	30	42,000	0.105	0.262	0.006
			4.0	40	50,000	0.105	0.262	0.006

Recommended Cutting Parameters

	Material	Process	Cutting Tool dia. (mm)	Pressure (bar)	Speed (rpm)	Ae (mm)	Ap (mm)	Fz (mm/t)
M	SS 316 (180-250 HB)	Slot Milling (End-Mill)	0.5	20	36,000	0.50	0.10	0.008
			0.5	30	42,000	0.50	0.10	0.008
			0.5	40	50,000	0.50	0.10	0.009
			0.8	20	36,000	0.80	0.10	0.010
			0.8	30	42,000	0.80	0.10	0.010
			0.8	40	50,000	0.80	0.10	0.010
			1.0	20	36,000	1.00	0.12	0.010
			1.0	30	42,000	1.00	0.12	0.010
			1.0	40	50,000	1.00	0.12	0.010
			1.5	20	36,000	1.50	0.15	0.012
			1.5	30	42,000	1.50	0.15	0.017
			1.5	40	50,000	1.50	0.15	0.018
			2.0	20	36,000	2.00	0.15	0.009
			2.0	30	42,000	2.00	0.15	0.009
			2.0	40	50,000	2.00	0.15	0.009
			2.5	20	36,000	2.50	0.10	0.015
			2.5	30	42,000	2.50	0.10	0.015
			2.5	40	50,000	2.50	0.10	0.016
			3.0	20	36,000	3.00	0.10	0.010
			3.0	30	42,000	3.00	0.10	0.010
			3.0	40	50,000	3.00	0.10	0.010
			4.0	20	36,000	4.00	0.10	0.010
			4.0	30	42,000	4.00	0.10	0.010
			4.0	40	50,000	4.00	0.10	0.010
		Shoulder Milling (End-Mill)	1.0	20	36,000	0.50	0.10	0.014
			1.0	30	42,000	0.50	0.10	0.014
			1.0	40	50,000	0.50	0.10	0.014
			2.0	20	36,000	1.00	0.10	0.015
			2.0	30	42,000	1.00	0.10	0.015
			2.0	40	50,000	1.00	0.10	0.015
			3.0	20	36,000	1.00	0.10	0.015
			3.0	30	42,000	1.00	0.10	0.015
			3.0	40	50,000	1.00	0.10	0.015
			4.0	20	36,000	0.75	0.10	0.009
			4.0	30	42,000	0.75	0.10	0.009
			4.0	40	50,000	0.75	0.10	0.009

Recommended Cutting Parameters

	Material	Process	Cutting Tool dia. (mm)	Pressure (bar)	Speed (rpm)	Ae (mm)	Ap (mm)	Fz (mm/t)
N	Al-Si 9% (80-160 HB)	Drilling (Drill)	0.3	20	36,000	Pecking steps: 0,25-0,5xD Max length of the hole: 3-4xD		0.002
			0.3	30	42,000			0.002
			0.3	40	50,000			0.002
			0.5	20	36,000			0.002
			0.5	30	42,000			0.002
			0.5	40	50,000			0.002
			0.8	20	36,000			0.002
			0.8	30	42,000			0.002
			0.8	40	50,000			0.002
			1.0	20	36,000			0.003
			1.0	30	42,000			0.003
			1.0	40	50,000			0.003
			1.5	20	36,000			0.004
			1.5	30	42,000			0.004
			1.5	40	50,000			0.004
			2.0	20	36,000			0.004
			2.0	30	42,000			0.004
			2.0	40	50,000			0.004
			3.0	20	36,000			0.004
			3.0	30	42,000			0.004
			3.0	40	50,000			0.004
		Profile Milling (Ball-Nose)	0.5	20	36,000	0.06	0.05	0.008
			0.5	30	42,000	0.06	0.05	0.008
			0.5	40	50,000	0.07	0.10	0.008
			0.8	20	36,000	0.06	0.05	0.008
			0.8	30	42,000	0.06	0.05	0.008
			0.8	40	50,000	0.07	0.13	0.008
			1.0	20	36,000	0.10	0.08	0.004
			1.0	30	42,000	0.10	0.09	0.004
			1.0	40	50,000	0.11	0.15	0.004
			1.5	20	36,000	0.12	0.09	0.006
			1.5	30	42,000	0.13	0.09	0.006
			1.5	40	50,000	0.15	0.10	0.006
			2.0	20	36,000	0.13	0.05	0.008
			2.0	30	42,000	0.13	0.05	0.008
			2.0	40	50,000	0.17	0.13	0.008
			2.5	20	36,000	0.15	0.10	0.030
			2.5	30	42,000	0.16	0.10	0.030
			2.5	40	50,000	0.25	0.13	0.030
			3.0	20	36,000	0.22	0.08	0.030
			3.0	30	42,000	0.25	0.08	0.030
			3.0	40	50,000	0.25	0.15	0.030
			4.0	20	36,000	0.20	0.08	0.030
			4.0	30	42,000	0.25	0.09	0.030
			4.0	40	50,000	0.27	0.15	0.030

Recommended Cutting Parameters

	Material	Process	Cutting Tool dia. (mm)	Pressure (bar)	Speed (rpm)	Ae (mm)	Ap (mm)	Fz (mm/t)
N	Al-Si 9% (80-160 HB)	Slot Milling (End-Mill)	0.5	20	36,000	0.50	0.05	0.007
			0.5	30	42,000	0.50	0.05	0.007
			0.5	40	50,000	0.50	0.05	0.007
			0.8	20	36,000	0.80	0.08	0.008
			0.8	30	42,000	0.80	0.08	0.008
			0.8	40	50,000	0.80	0.08	0.008
			1.0	20	36,000	1.00	0.10	0.018
			1.0	30	42,000	1.00	0.10	0.018
			1.0	40	50,000	1.00	0.10	0.018
			1.5	20	36,000	1.50	0.15	0.020
			1.5	30	42,000	1.50	0.15	0.020
			1.5	40	50,000	1.50	0.15	0.020
			2.0	20	36,000	2.00	0.20	0.022
			2.0	30	42,000	2.00	0.20	0.022
			2.0	40	50,000	2.00	0.20	0.022
			2.5	20	36,000	2.50	0.25	0.025
			2.5	30	42,000	2.50	0.25	0.025
			2.5	40	50,000	2.50	0.25	0.025
			3.0	20	36,000	3.00	0.30	0.025
			3.0	30	42,000	3.00	0.30	0.025
			3.0	40	50,000	3.00	0.30	0.025
			3.5	20	36,000	3.50	0.25	0.025
			3.5	30	42,000	3.50	0.25	0.025
			3.5	40	50,000	3.50	0.25	0.025
			4.0	20	36,000	4.00	0.28	0.025
			4.0	30	42,000	4.00	0.28	0.025
			4.0	40	50,000	4.00	0.28	0.025
		Shoulder Milling (End-Mill)	1.0	20	36,000	0.30	0.10	0.015
			1.0	30	42,000	0.30	0.15	0.017
			1.0	40	50,000	0.30	0.15	0.017
			2.0	20	36,000	0.60	0.10	0.015
			2.0	30	42,000	0.60	0.10	0.015
			2.0	40	50,000	0.60	0.10	0.018
			3.0	20	36,000	0.90	0.10	0.020
			3.0	30	42,000	0.90	0.10	0.020
			3.0	40	50,000	0.90	0.10	0.025
			4.0	20	36,000	1.20	0.10	0.025
			4.0	30	42,000	1.20	0.10	0.025
			4.0	40	50,000	1.20	0.10	0.025

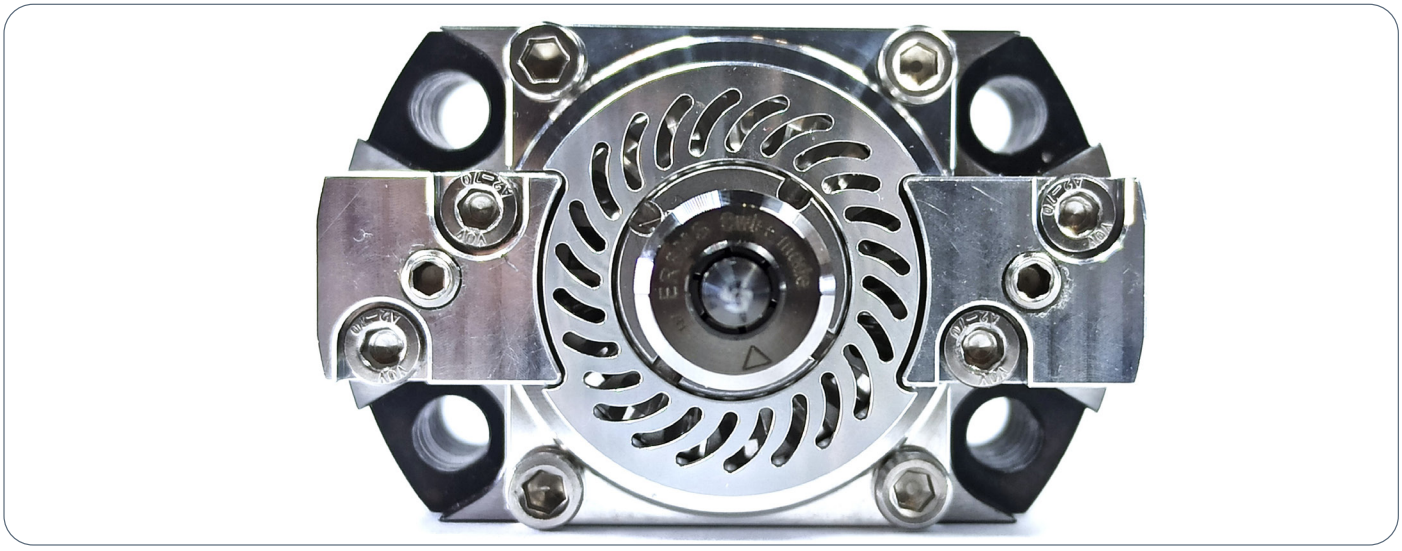
Recommended Cutting Parameters

	Material	Process	Cutting Tool dia. (mm)	Pressure (bar)	Speed (rpm)	Ae (mm)	Ap (mm)	Fz (mm/t)
N	Cu alloys (80-200 HB)	Drilling (Drill)	0.5	20	36,000	Pecking steps: 0,25-0,5xD Max length of the hole: 5xD		0.003
			0.5	30	42,000			0.003
			0.5	40	50,000			0.003
			0.8	20	36,000			0.005
			0.8	30	42,000			0.005
			0.8	40	50,000			0.005
			1.0	20	36,000			0.005
			1.0	30	42,000			0.005
			1.0	40	50,000			0.005
			1.5	20	36,000			0.005
			2.0	20	36,000			0.006
		Profile Milling (Ball-Nose)	0.5	20	36,000	0.010	0.008	0.006
			0.5	30	42,000	0.010	0.008	0.006
			0.5	40	50,000	0.010	0.008	0.006
			1.0	20	36,000	0.024	0.053	0.010
			1.5	20	36,000	0.037	0.088	0.010
			2.0	20	36,000	0.050	0.122	0.010
			2.5	20	36,000	0.064	0.160	0.010
			3.0	20	36,000	0.080	0.192	0.005
			4.0	20	36,000	0.105	0.262	0.005
		Slot Milling (End-Mill)	0.5	20	36,000	0.500	0.008	0.004
			0.5	30	42,000	0.500	0.008	0.004
			0.5	40	50,000	0.500	0.008	0.004
			0.8	20	36,000	0.800	0.014	0.006
			0.8	30	42,000	0.800	0.014	0.006
			0.8	40	50,000	0.800	0.014	0.006
			1.0	20	36,000	1.000	0.018	0.008
			1.5	20	36,000	1.500	0.028	0.012
			2.0	20	36,000	2.000	0.038	0.016
			2.5	20	36,000	2.500	0.048	0.019
			3.0	20	36,000	3.000	0.058	0.020
		Shoulder Milling (End-Mill)	1.0	20	36,000	0.080	0.800	0.006
			2.0	20	36,000	0.160	1.600	0.080
			3.0	20	36,000	0.240	2.400	0.008
			4.0	20	36,000	0.320	3.200	0.008
			5.0	20	36,000	0.400	4.000	0.010
			6.0	20	36,000	0.400	4.800	0.010

Recommended Cutting Parameters

	Material	Process	Cutting Tool dia. (mm)	Pressure (bar)	Speed (rpm)	Ae (mm)	Ap (mm)	Fz (mm/t)
S	Ti alloys (170-250 HB)	Drilling (Drill)	0.5	20	36,000	Pecking steps: 0,25-0,5xD Max length of the hole: 5xD		0.003
			0.5	30	42,000			0.003
			0.5	40	50,000			0.003
			0.8	20	36,000			0.005
			0.8	30	42,000			0.005
			0.8	40	50,000			0.005
			1.0	20	36,000			0.005
			1.0	30	42,000			0.005
			1.0	40	50,000			0.005
			1.5	20	36,000			0.005
			1.5	30	42,000			0.005
			1.5	40	50,000			0.005
			2.0	20	36,000			0.006
		Profile Milling (Ball-Nose)	0.5	20	36,000	0.010	0.008	0.006
			0.5	30	42,000	0.010	0.008	0.006
			0.5	40	50,000	0.010	0.008	0.006
			1.0	20	36,000	0.024	0.053	0.010
			1.0	30	42,000	0.024	0.053	0.010
			1.0	40	50,000	0.024	0.053	0.010
			1.5	20	36,000	0.037	0.088	0.010
			1.5	30	42,000	0.037	0.088	0.010
			2.0	20	36,000	0.050	0.122	0.010
			2.0	30	42,000	0.050	0.122	0.010
			2.5	20	36,000	0.064	0.160	0.010
			3.0	20	36,000	0.080	0.192	0.005
			4.0	20	36,000	0.105	0.262	0.005
		Slot Milling (End-Mill)	0.5	20	36,000	0.500	0.008	0.004
			0.5	30	42,000	0.500	0.008	0.004
			0.5	40	50,000	0.500	0.008	0.004
			0.8	20	36,000	0.800	0.014	0.006
			0.8	30	42,000	0.800	0.014	0.006
			0.8	40	50,000	0.800	0.014	0.006
			1.0	20	36,000	1.000	0.018	0.008
			1.0	30	42,000	1.000	0.018	0.008
			1.0	40	50,000	1.000	0.018	0.008
			1.5	20	36,000	1.500	0.028	0.012
			1.5	30	42,000	1.500	0.028	0.012
			2.0	20	36,000	2.000	0.038	0.016
			2.5	20	36,000	2.500	0.048	0.019
			2.5	30	42,000	2.500	0.048	0.019
			3.0	20	36,000	3.000	0.058	0.020
		Shoulder Milling (End-Mill)	1.0	20	36,000	0.080	0.800	0.006
			1.0	30	42,000	0.080	0.800	0.006
			1.0	40	50,000	0.080	0.800	0.006
			2.0	20	36,000	0.160	1.600	0.080
			2.0	30	42,000	0.160	1.600	0.080
			3.0	20	36,000	0.240	2.400	0.008
			3.0	30	42,000	0.240	2.400	0.008
			4.0	20	36,000	0.320	3.200	0.008
			5.0	20	36,000	0.400	4.000	0.010
			6.0	20	36,000	0.400	4.800	0.010

Clamping and Coolant



When machining at high speeds you must have a high precision spindle that provides the speed, accuracy and power using high-precision nut & collet to optimize dynamic balancing with pinpointed coolant to the cutting edge. **Assures a simple tool change with no setup time and a low runout**.

Coolant outlets from the turbine outlet and a nozzle point to the cutting edge.

SWISS Nut & Collet

ER 8 High Precision Nut

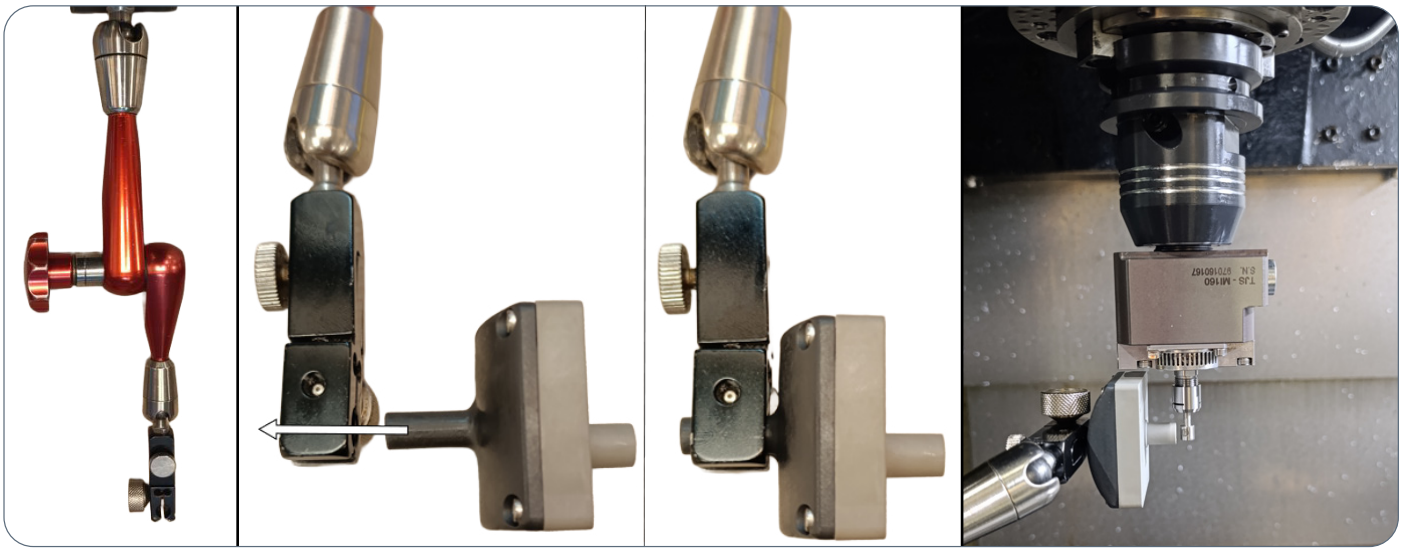
ER 8 High Precision Collet Ø 4.00 mm (5/32”) *

* needs to be ordered separately

SWISS Wrench & Spanner

ER 8 Wrench
9mm Spanner

Idle Speed Monitor KIT



Precise RPM Monitoring for Cutting Conditions Setup

1. Use only CR2 3V battery
2. Insert the battery into Battery seat
3. Close with Black Cover
4. Tighten 4 Allen screws M2.5
5. Place the sensor 2 mm away from the magnetic pin

Speed Sensor & Tool

BLE Speed Sensor:

Magnetic Pin for Speed Sensor:

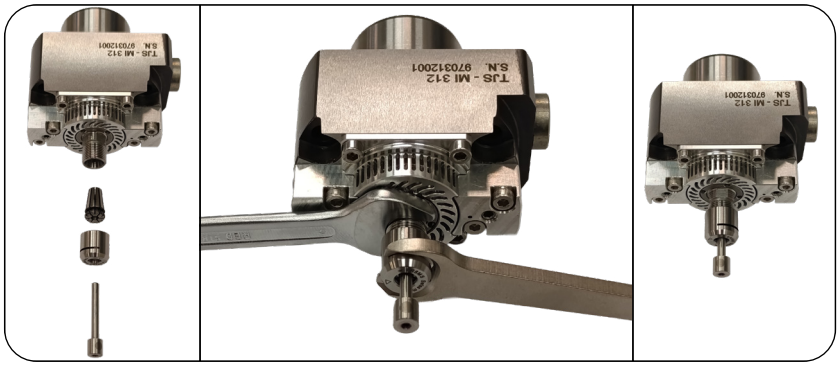
Connect Speed Sensor Tool

Connect Magnetic Pin with:

- ER 8 Collet
- ER 8 Nut

Using:

- ER 8 Wrench
- 9mm Spanner



Speed Sensor App

iPhone & iPad
IOS

Requires iPhone 10 or newer. Click on the button below or search “Jet Spindle Monitor” on your device or just scan the QR code.

Download on the App Store

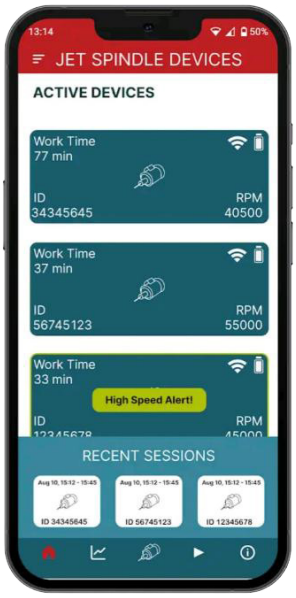
Android Phone & Device
Google

Requires Android 10 or newer. Click on the button below or search “Jet Spindle Monitor” on your device or just scan the QR code.

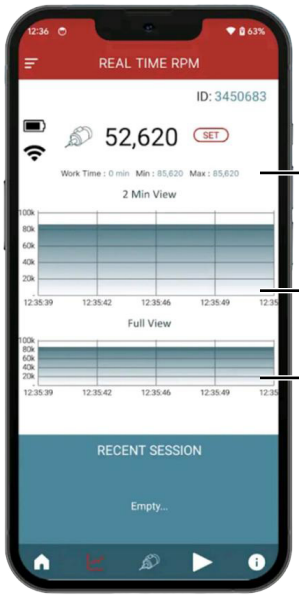
GET IT ON Google Play

Jet Spindle Monitor

1. Turn on the machine’s high-pressure coolant pump
2. RPM speed will be displayed in the app automatically
3. Adjust cutting conditions, based on the resulting speed



Tap on a Jet Spindle to see a detailed overview

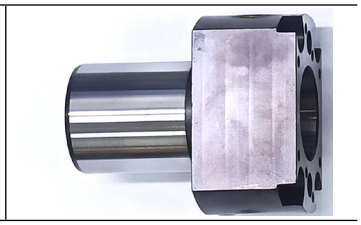
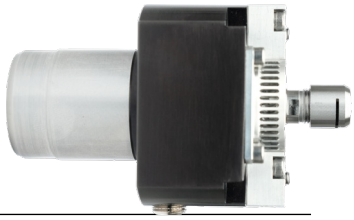


Detailed Jet information

Detailed 2 Minutes View

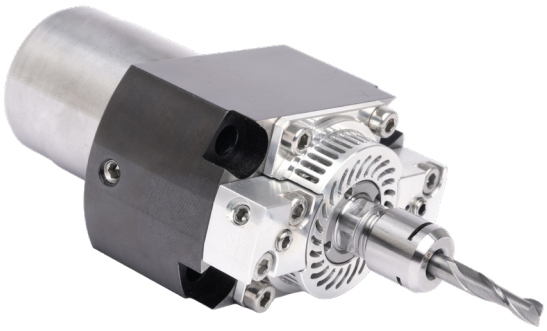
Full View

Cartridge Replacement

1		2		3	

Tool Replacement

1		2	



Application Limits

MILLING
- Slot milling – D=4.0 mm and a_p=0.05xD
- Shoulder milling – D=6.0 mm, a_e=0.1xD and a_p=0.1xD

THREAD MILLING
- Max. M3 thread

DRILLING
- Max drill dia. 3.0 mm

DEBURRING
- Max tool dia. 6.0 mm
- 45 to 60˚ endmills can be used for deburring as well

ENGRAVING
- Max tool dia. 6.0 mm
- Max ap 0.25 mm

Catalog

Availability

All items in stock

Prices

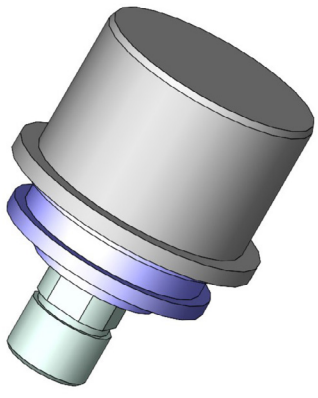
Your price list will provided upon request

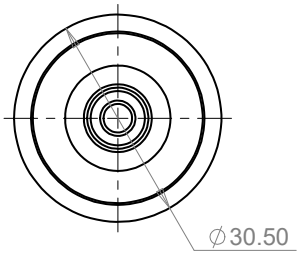
Each package contains

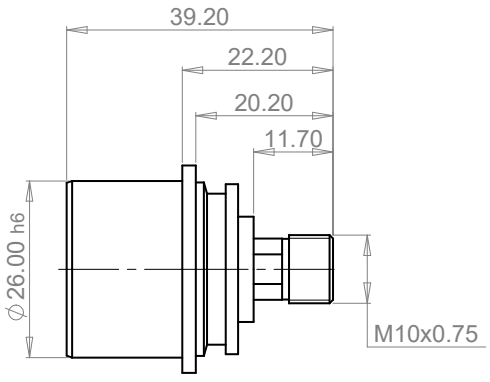
1x SWISS JET Spindle
1x High Precision ER 8 Nut
1x ER 8 Wrench
1x 9mm Spanner
4x M5x30 Screws (only included with 97-000-310)

Note: Idle Speed Monitor KIT needs to be ordered separately

SWISS JET CARTRIDGE



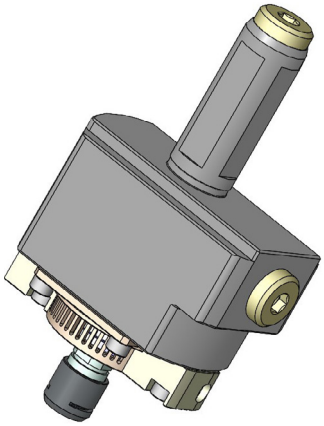


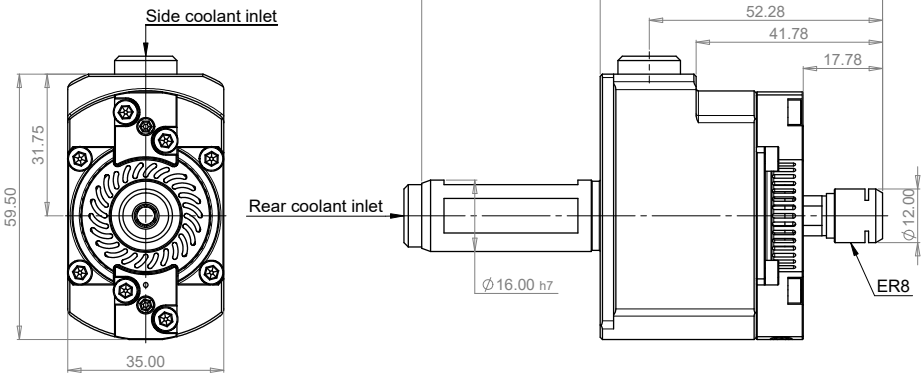


Designation	P/N	D mm	L mm	Tool d max mm	Kg
SWISS JET 160	TJMI-DS01	26	39.2	5.0	0.087
FILES AVAILABLE FOR DOWNLOAD IN ONLINE CATALOGUE: https://colibrispindles.com/catalog/					
DXF - 2D		STEP - 3D Detail		STEP - 3D Light	

Catalog

COMPATIBLE ADAPTOR MODELS								
Adapter	160	160 90D	190	200	220	250	254	310



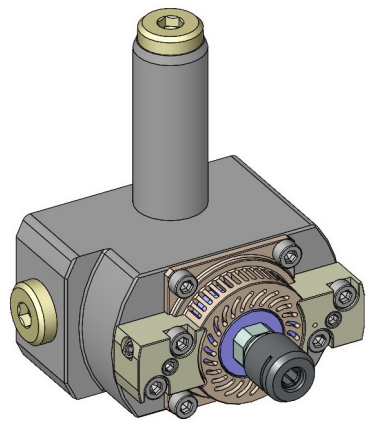


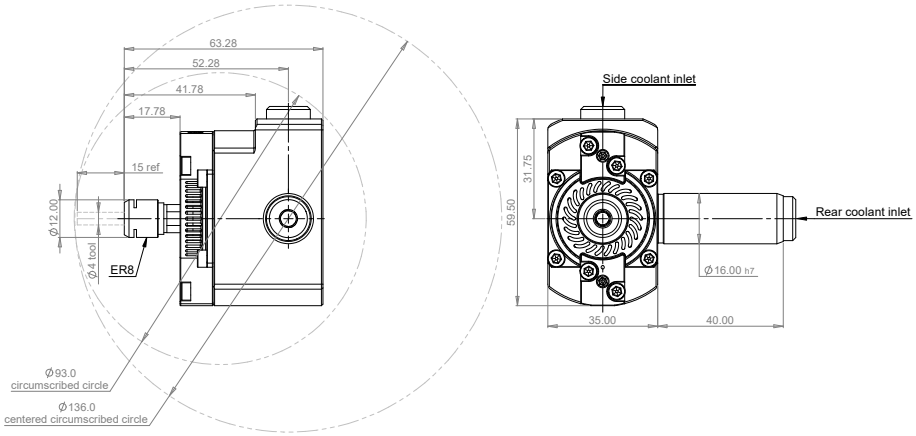
Designation	P/N	D mm	L mm	Tool d max mm	Kg
SWISS JET 160	97-000-160	16.00	63.5	5.0	0.57

FILES AVAILABLE FOR DOWNLOAD IN ONLINE CATALOGUE: https://colibrispindles.com/catalog/

DXF - 2D	STEP - 3D Detail	STEP - 3D Light

COMPATIBLE ADAPTOR MODELS								
Adapter	160	160 90D	190	200	220	250	254	310





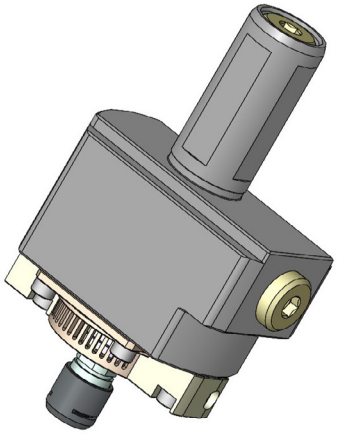
Designation	P/N	D mm	L mm	Tool d max mm	Kg
SWISS JET 160 90D	97-000-160_90	16.00	63.5	5.0	0.60

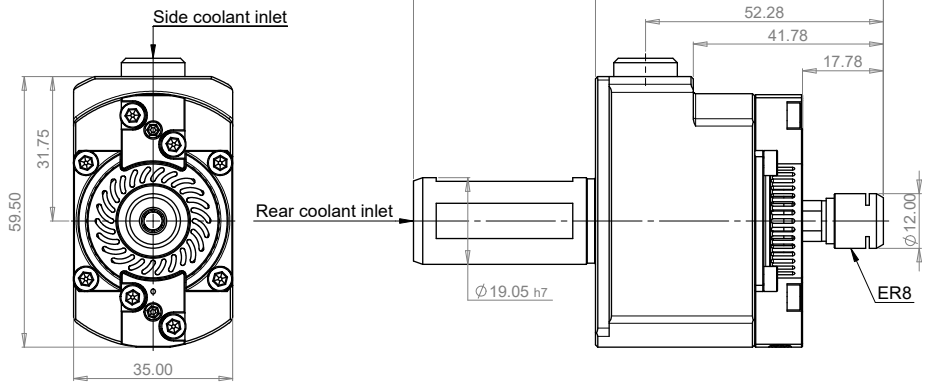
FILES AVAILABLE FOR DOWNLOAD IN ONLINE CATALOGUE: https://colibrispindles.com/catalog/

DXF - 2D	STEP - 3D Detail	STEP - 3D Light

Catalog

COMPATIBLE ADAPTOR MODELS								
Adapter	160	160 90D	190	200	220	250	254	310



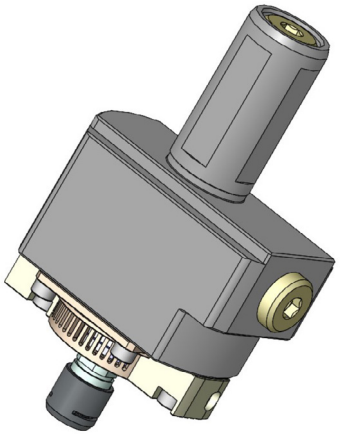


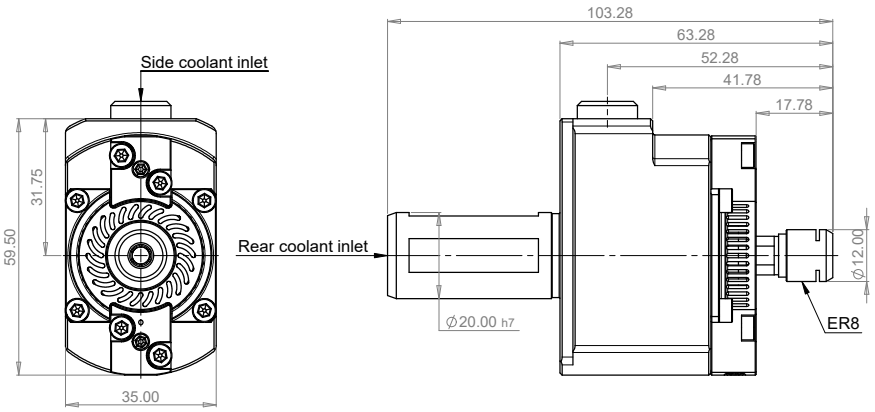
Designation	P/N	D mm	L mm	Tool d max mm	Kg
SWISS JET 190	97-000-190	19.05	63.5	5.0	0.60

FILES AVAILABLE FOR DOWNLOAD IN ONLINE CATALOGUE: https://colibrispindles.com/catalog/

DXF - 2D	STEP - 3D Detail	STEP - 3D Light

COMPATIBLE ADAPTOR MODELS								
Adapter	160	160 90D	190	200	220	250	254	310





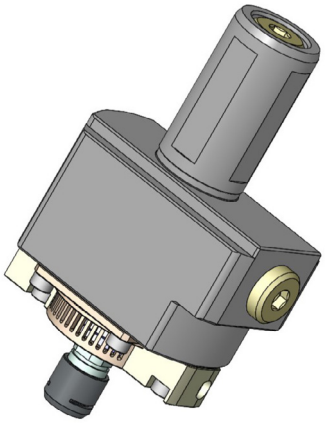
Designation	P/N	D mm	L mm	Tool d max mm	Kg
SWISS JET 200	97-000-200	20.00	63.5	5.0	0.60

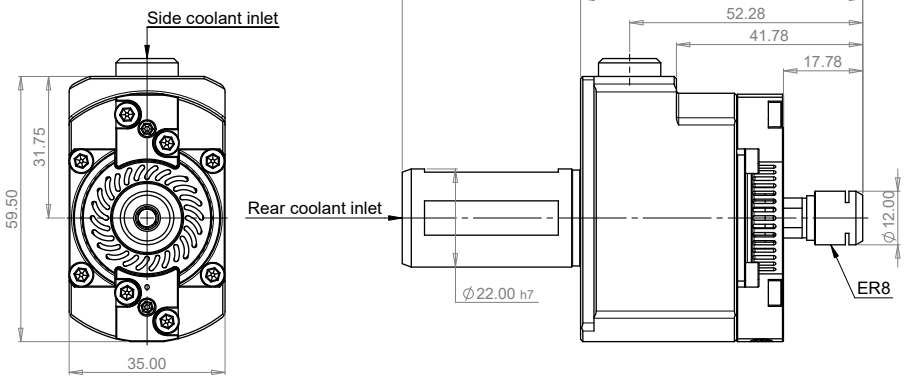
FILES AVAILABLE FOR DOWNLOAD IN ONLINE CATALOGUE: https://colibrispindles.com/catalog/

DXF - 2D	STEP - 3D Detail	STEP - 3D Light

Catalog

COMPATIBLE ADAPTOR MODELS								
Adapter	160	160 90D	190	200	220	250	254	310



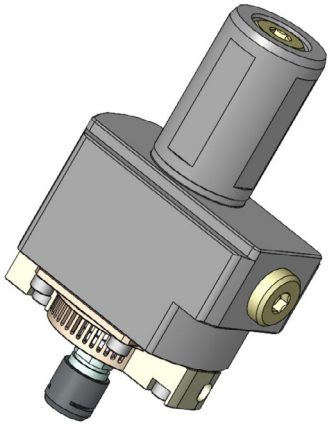


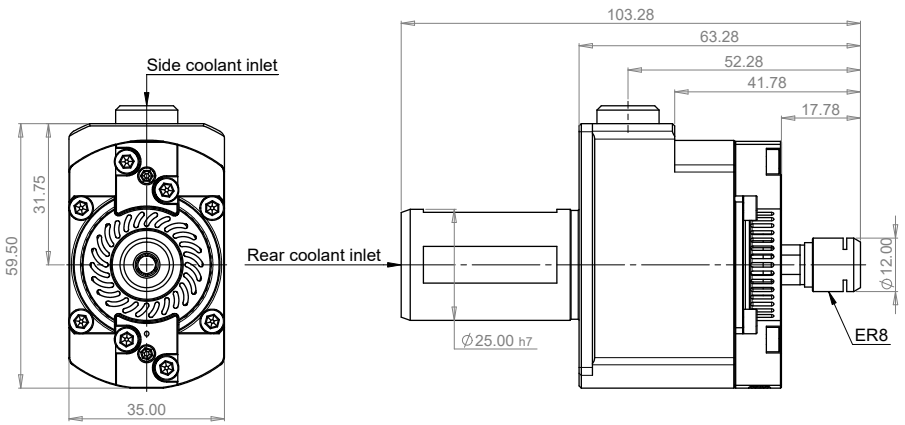
Designation	P/N	D mm	L mm	Tool d max mm	Kg
SWISS JET 220	97-000-220	22.00	63.5	5.0	0.63

FILES AVAILABLE FOR DOWNLOAD IN ONLINE CATALOGUE: https://colibrispindles.com/catalog/

DXF - 2D	STEP - 3D Detail	STEP - 3D Light

COMPATIBLE ADAPTOR MODELS								
Adapter	160	160 90D	190	200	220	250	254	310





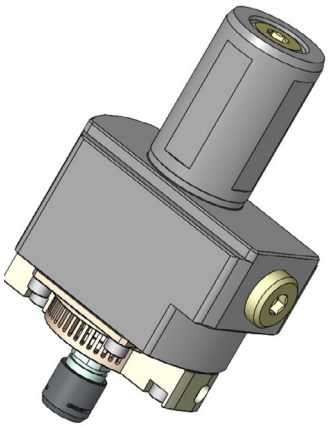
Designation	P/N	D mm	L mm	Tool d max mm	Kg
SWISS JET 250	97-000-250	25.00	63.5	5.0	0.66

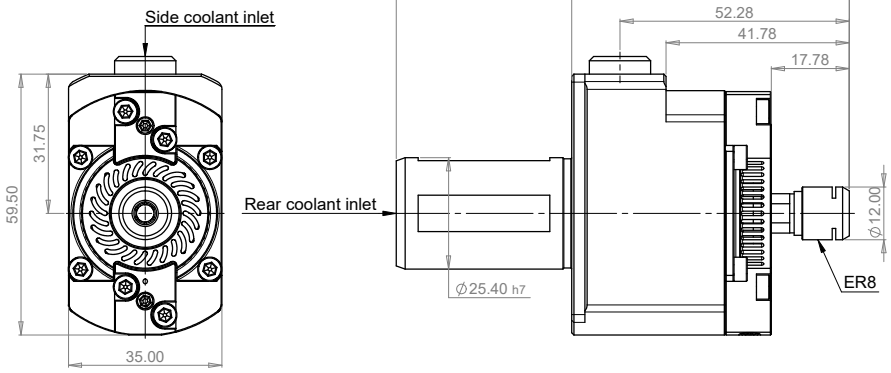
FILES AVAILABLE FOR DOWNLOAD IN ONLINE CATALOGUE: https://colibrispindles.com/catalog/

DXF - 2D	STEP - 3D Detail	STEP - 3D Light

Catalog

COMPATIBLE ADAPTOR MODELS								
Adapter	160	160 90D	190	200	220	250	254	310



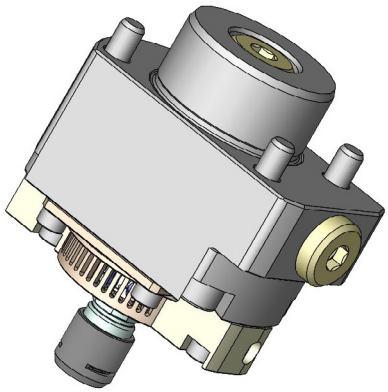


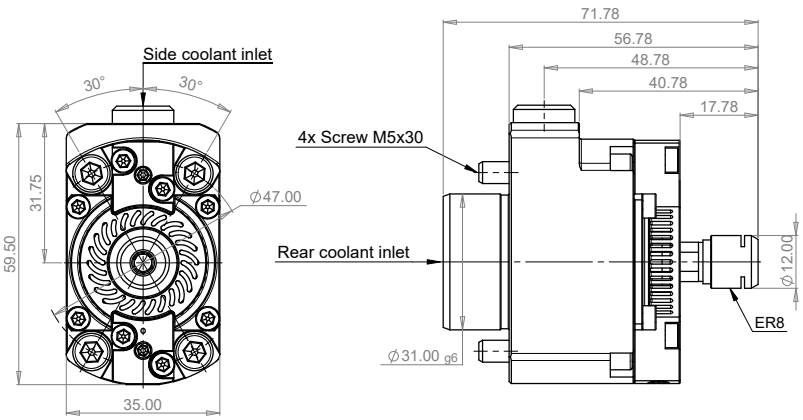
Designation	P/N	D mm	L mm	Tool d max mm	Kg
SWISS JET 254	97-000-254	25.40	63.5	5.0	0.67

FILES AVAILABLE FOR DOWNLOAD IN ONLINE CATALOGUE: https://colibrispindles.com/catalog/

DXF - 2D	STEP - 3D Detail	STEP - 3D Light

COMPATIBLE ADAPTOR MODELS								
Adapter	160	160 90D	190	200	220	250	254	310

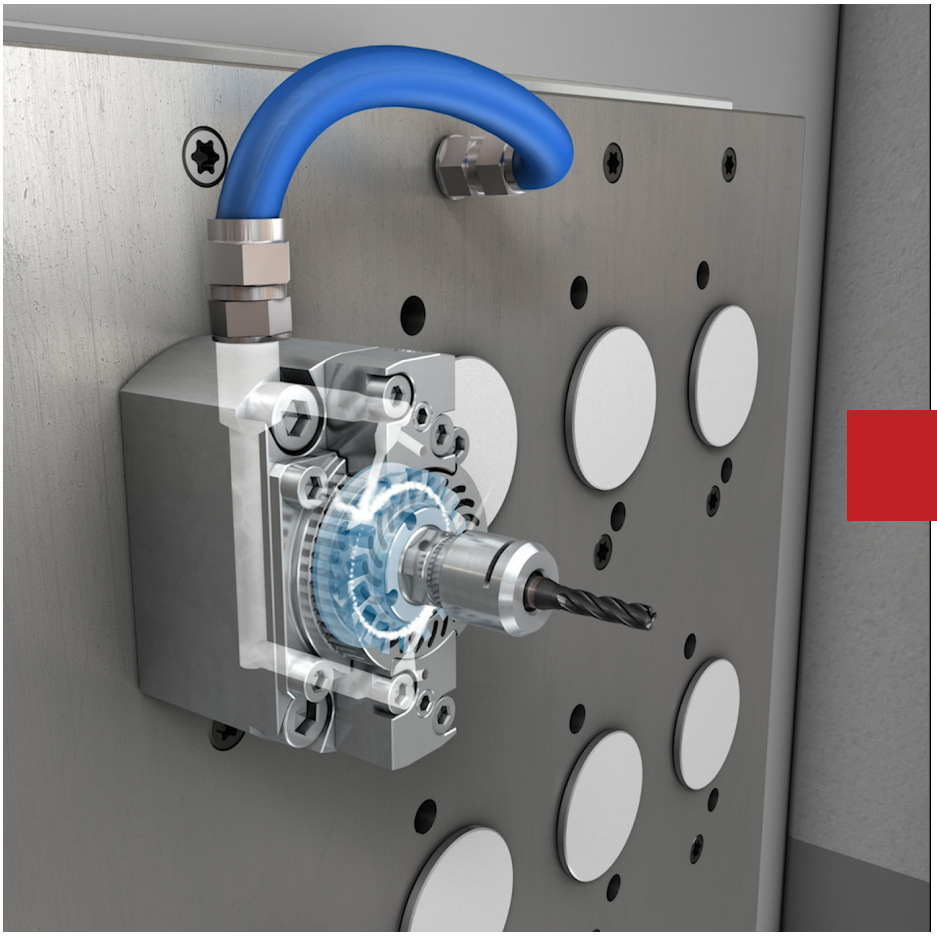


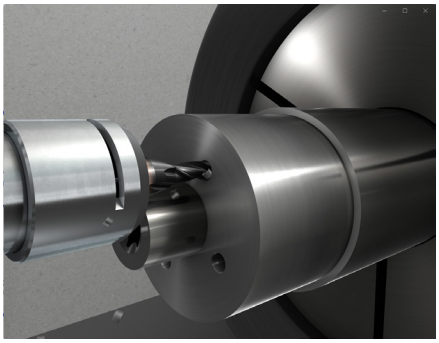


Designation	P/N	D mm	L mm	Tool d max mm	Kg
SWISS JET 310	97-000-310	31.00	57.0	5.0	0.51

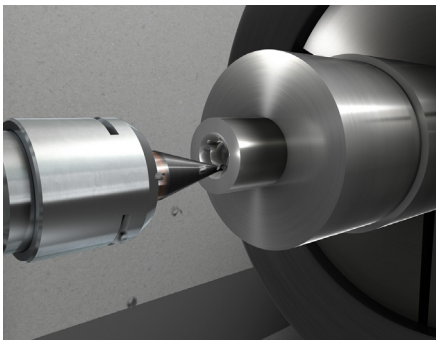
FILES AVAILABLE FOR DOWNLOAD IN ONLINE CATALOGUE: https://colibrispindles.com/catalog/

DXF - 2D	STEP - 3D Detail	STEP - 3D Light





Swiss Jet



PARTNERS

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