

STAR

STAR MODELS:

SV-38R, SV-20R, SW-12RII, SW-20, SR-38, SR-20RIV, SR-32JII, SR-20JII, SR-10J, SB-12/16/20R, ECAS-12/20, SR-16, SR-20J, SR-20RIII, SR-20RII, SR-32J, SV-12/20/32, SV-32JII

OTHERS MODELS: Ganesh SL-20 Y2, Goodway GTW-1500, SW-20/20II, Nomura DS NN-20UB8

Ø34 Gang Tooling

MADAULA
creative solutions



Type	Axial	Axial	Axial	Axial Long	Axial	Axial Offset	Axial Speeder
Code Star Ref.	ST.000.34-ER8 571-62-00	ST.000.34-ER11 571-63-00	ST.000.34-ER16 331-50-00/7.078.012	ST.000.34-ER16L 571-55-00/7.073.789	ST.000.34-ER20 7.072.950	ST.001.34 -	ST.002.34-2ER8 7.078.122
	ER-8M	ER-11M	ER-16	ER-16	ER-20M	ER-11M	ER-8M
 RPM Max	8.000	8.000	8.000	8.000	8.000	8.000	 16.000
	1:1	1:1	1:1	1:1	1:1	1:1	1:2



Type	Axial Speeder	Axial Speeder	Axial Reducer	Axial IC 70 bar	Axial IC 70 bar	Radial Double Output Speeder	Radial Double Output
Code Star Ref.	ST.002.34-2ER11 7.074.470	ST.002.34-3 -	ST.003.34 -	ST.005.34-ER16 -	ST.005.34-ER20 -	ST.008.34-ER11 7.073.830	ST.008.34-ER16 -
	ER-11A	ER-11	ER-16	ER-16	ER-20	ER-11M	ER-16M
 RPM Max	 16.000	 24.000	 4.000	8.000	8.000	 16.000	8.000
	1:2	1:3	2:1	1:1	1:1	1:2	1:1



Symbology

-  Internal coolant
-  High frequency
-  Speeder
-  Reducer / Higher torque

STAR

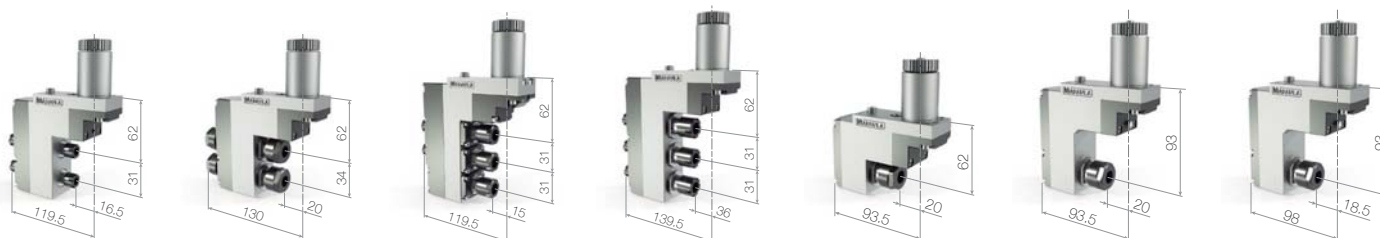
STAR MODELS:

SV-38R, SV-20R, SW-12RII, SW-20, SR-38, SR-20RIV, SR-32JII, SR-20JII, SR-10J, SB-12/16/20R, ECAS-12/20, SR-16, SR-20J, SR-20RIII, SR-20RII, SR-32J, SV-12/20/32, SV-32JII

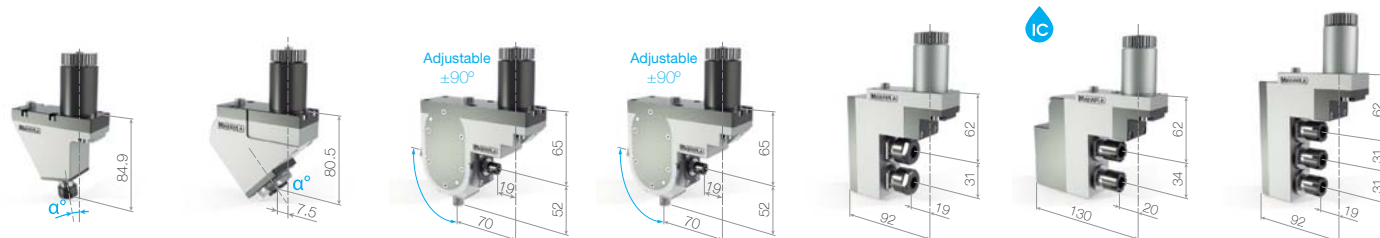
OTHERS MODELS: Ganesh SL-20 Y2, Goodway GTW-1500, SW-20/20II, Nomura DS NN-20UB8

Ø34 Gang Tooling

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creative solutions



Type	Radial 2+2 Outputs	Radial 2+2 Outputs	Radial 3+2 Outputs	Radial 3+3 Outputs	Radial Set-Back	Radial Set-Back	Radial Set-Back
Code Star Ref.	ST.008.34-4ER11 661-59-00	ST.008.34-4ER16 -	ST.008.34-5 7.073.555	ST.008.34-6 671-61-00	ST.011.34-62 571-51-00	ST.011.34-93 -	ST.011.34-ER20 -
	ER-11M	ER-16	ER-11M / ER16M	ER-11M / ER16M	ER-16	ER-16	ER-20
RPM Max	8.000	8.000	8.000	8.000	8.000	8.000	8.000
	1:1	1:1	1:1	1:1	1:1	1:1	1:1



Type	Fixed Angle (Any Angle)	Fixed Angle (Any Angle)	Radial Adjustable ±90°	Radial Speeder Adjustable ±90°	Radial 2 Outputs	Radial 2 Outputs Speeder IC 70 bar	Radial 3 Outputs
Code Star Ref.	ST.012.34-ER11 -	ST.012.34-ER16 -	ST.021.34 -	ST.021.34-S -	ST.029.34 541-51-00/7.079.470	ST.029.34-IC 7.078.325	ST.029.34-3 661-51-00
	ER-11	ER-16A	ER-8M	ER-8M	ER-16	ER-16M	ER-16M
RPM Max	8.000	8.000	8.000	24.000	8.000	16.000	8.000
	1:1	1:1	1:1	1:3	1:1	1:2	1:1

Symbology

- Internal coolant
- High frequency
- Speeder
- Reducer / Higher torque

STAR

STAR MODELS:

SV-38R, SV-20R, SW-12RII, SW-20, SR-38, SR-20RIV, SR-32JII, SR-20JII, SR-10J, SB-12/16/20R, ECAS-12/20, SR-16, SR-20J, SR-20RIII, SR-20RII, SR-32J, SV-12/20/32, SV-32JII

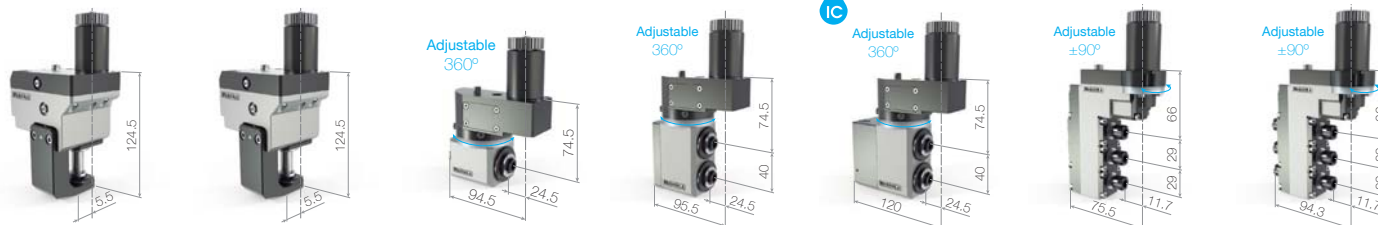
OTHERS MODELS: Ganesh SL-20 Y2, Goodway GTW-1500, SW-20/20II, Nomura DS NN-20UB8

Ø34 Gang Tooling

MADAULA
creative solutions



Type	Radial Saw-Mill	Polygon Maker	Polygon Maker Reducer	Thread Whirling ±12.5°	Thread Whirling ±15°	Thread Whirling ±30°	Gear Hobbing ±15°
Code	ST.030.34	ST.034.34	ST.034.34-R	ST.035.34-12.5	ST.035.34-15	ST.035.34-30	ST.036.34
Star Ref.	-	-	541-91-00	-	-	-	7.073.800 / 7.171.760
	Cyl-Shaft	Cyl-Shaft	Cyl-Shaft	Cutting Head	Cutting Head	Cutting Head	Cyl-Shaft
RPM Max	8.000	8.000	4.000	8.000	8.000	8.000	8.000
	1:1	1:1	2:1	1:1	1:1	1:1	1:1



Type	Axial Saw-Mill	Axial Saw-Mill	Radial "Y" Axis 360°	Radial "Y" Axis 360° 2 Outputs	Radial "Y" Axis 360° IC 70 bar	Radial "Y" Axis ±90° 3 Outputs	Radial "Y" Axis ±90° 6 Outputs
Code	ST.038.34-50	ST.038.34-80	ST.051.34	ST.051.34-2	ST.051.34-2IC	ST.051.34-3	ST.051.34-6
Star Ref.	7.076.365/7.170.912 541-54-00/7.074.310	7.075.160	7.073.081	7.073.190	7.075.195	-	-
	Cyl-Shaft	Cyl-Shaft	ER-11A	ER-11A	ER-11A	ER-11M	ER-11M
RPM Max	8.000	8.000	8.000	8.000	8.000	8.000	8.000
	1:1	1:1	1:1	1:1	1:1	1:1	1:1



Symbology

- Internal coolant
- High frequency
- Speeder
- Reducer / Higher torque

STAR

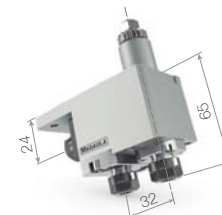
STAR MODELS:

SV-20R, SW-12RII, SW-20, SR-38, SR-20RIV, SR-32JII, SR-20JII, SR-10J, SB-12/16/20R, ECAS-12/20, SR-16, SR-20J, SR-20RIII, SR-20RII, SR-32J, SV-32JII

OTHERS MODELS: Goodway SL-20 Y2, SW-12, SW-20, SW-20III

Ø22 Back End Tooling

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creative solutions



Type	Axial	Axial	Axial	Axial Speeder	Axial "X" Axis 3 Outputs
Code	ST.000.22-ER11	ST.000.22-ER11A	ST.000.22-ER16	ST.002.22	ST.004.22
Star Ref.	541-61-00	7.075.495	571-61-00	-	7.075.500
	ER-11M	ER-11A	ER-16	 ER-11	ER-11
 RPM Max	6.000	6.000	6.000	12.000	6.000
	1:1	1:1	1:1	1:2	1:1



Type	Axial IC 70 bar	Axial IC 70 bar	Radial Set-back	Radial Set-back with tool adjustment	Radial Set-back with tool adjustment
Code	ST.005.22-ER11A	ST.005.22-ER16	ST.011.22-ER11A	ST.011.22-ER11-TA	ST.011.22-ER16-TA
Star Ref.	-	-	7.072.970	-	-
	ER-11A	ER-16	ER-11A	ER-11	ER-16A
 RPM Max	6.000	6.000	6.000	6.000	6.000
	1:1	1:1	1:1	1:1	1:1



Symbology

-  Internal coolant
-  High frequency
-  Speeder
-  Reducer / Higher torque

STAR

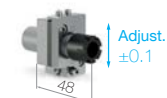
STAR MODELS:

SV-20R, SW-12RII, SW-20, SR-38, SR-20RIV, SR-32JII, SR-20JII, SR-10J, SB-12/16/20R, ECAS-12/20, SR-16, SR-20J, SR-20RIII, SR-20RII, SR-32J, SV-32JII

OTHERS MODELS: Goodway SL-20 Y2, SW-12, SW-20, SW-20III

Ø22 Back End Tooling

MADAULA
creative solutions



Type	Fixed Angle (Any Angle)	Fixed Angle Back (Any Angle)	Radial Set-back Reducer	Radial Adjustable 0-90°	Tool Holder with Fine "Y" Axis ±0.1
Code	ST.012.22	ST.012.22-B	ST.014.22	ST.021.22	ST.025.22
Star Ref.	-	-	7.075.655	-	-
	ER-11A	ER-11A	ER-11	ER-11	ER16M
 RPM Max	6.000	6.000	 4.450	6.000	-
	1:1	1:1	1.8:1	1:1	-



Type	Radial Saw-Mill Reducer	Radial Saw-Mill Reducer	Axial Double Output Speeder IC 70 bar	Gear Hobbing ±90°	Axial Saw-Mill
Code	ST.030.22-10	ST.030.22-13	ST.033.22	ST.036.22	ST.038.22
Star Ref.	7.072.701	7.072.661	-	7.075.395	7.170.942
	Cyl-Shaft	Cyl-Shaft	ER-11A	Cyl-Shaft	Cyl-Shaft
 RPM Max	 4.450	 3.000	 12.000	6.000	6.000
	1.8:1	2:1	1:2	1:1	1:1

Symbology



Internal coolant



High frequency



Speeder



Reducer / Higher torque

STAR

MODELS

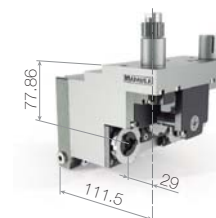
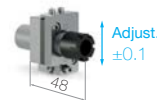
SB-12/20R, SR-32JIII Type A / B, SR-38 Type A / B, SV-20R, SW-12RII, SW-20

Ø22 Back End Tooling

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Type	Axial	Axial Short	Axial Long	Intermeadiate Gear	Axial IC 70 bar	Radial Set-back
Code Star Ref.	ST.000.SW20-ER11A 7.078.450	ST.000.SW20-S OR1-61	ST.000.SW20-L 101-81	ST.000.SW20-P 7.076.740	ST.005.SW20 -	ST.011.SW20-ER16 7.076.370/OR1-51
	ER-11A	ER-16M	ER-16M	-	ER-16M	ER-16M
 RPM Max	8.000	8.000	8.000	8.000	8.000	8.000
	1:1	1:1	1:1	1:1	1:1	1:1



Type	Radial Set-back	Fixed Angle (Any Angle)	Radial Adjustable 0-90°	Tool Holder with Fine "Y" Axis ±0.1	Radial 3 Outputs	Radial Saw-Mill
Code Star Ref.	ST.011.SW20-ER16A 7.078.800	ST.012.SW20 -	ST.021.SW20 -	ST.025.SW20 -	ST.029.SW20 7.170.810	ST.030.SW20 7.076.165/7.079.230 7.078.150
	ER-16A	ER-11	ER-11M	ER16M	ER-16A / Cyl-Shaft	Cyl-Shaft
 RPM Max	8.000	8.000	8.000	-	8.000	 4.450
	1:1	1:1	1:1	-	1:1	1.8:1

Symbology

-  Internal coolant
-  High frequency
-  Speeder
-  Reducer / Higher torque

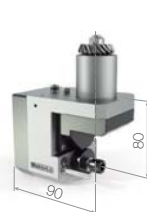
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MODELS
ST-20, SV-20R,
ECAS-20T, KNC-16/20, SV-12/20, SV-20R
Turret Tooling

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creative solutions



Type	Axial	Axial	Axial	Axial	Axial IC 70 bar	Axial Offset IC 80 bar	Radial Double Output
Code Star Ref.	ST.000.20-ER11 7.074.038	ST.000.20-ER16 7.073.792/221-50-00	ST.000.20-ER20 -	ST.000.20-ER25 -	ST.005.20 7.073.895	ST.006.20 -	ST.008.20-80 221-56-00
	ER-11M	ER-16	ER-20	ER-25	ER-16	ER-16	ER-11M
RPM Max	6.000	6.000	6.000	6.000	6.000	6.000	6.000
	1:1	1:1	1:1	1:1	1:1	1:1	1:1



Type	Radial Double Output	Radial Double Output Speeder	Radial 2+2 Outputs	Radial Set-back	Radial Set-back Speeder	Radial Set-back IC 70 bar	Radial Set-back Speeder IC 100 bar
Code Star Ref.	ST.008.20-90 -	ST.008.20-S 7.073.840	ST.008.20-4 -	ST.011.20 -	ST.013.20 7.073.945	ST.017.20-70 7.073.660	ST.017.20-100 7.075.535
	ER-11M	ER-11M	ER-11M	ER-11M	ER-11M	ER-16A	ER-16A
RPM Max	6.000	18.000	6.000	6.000	18.000	6.000	18.000
	1:1	1:3	1:1	1:1	1:3	1:1	1:3

Symbology



Internal coolant



High frequency



Speeder

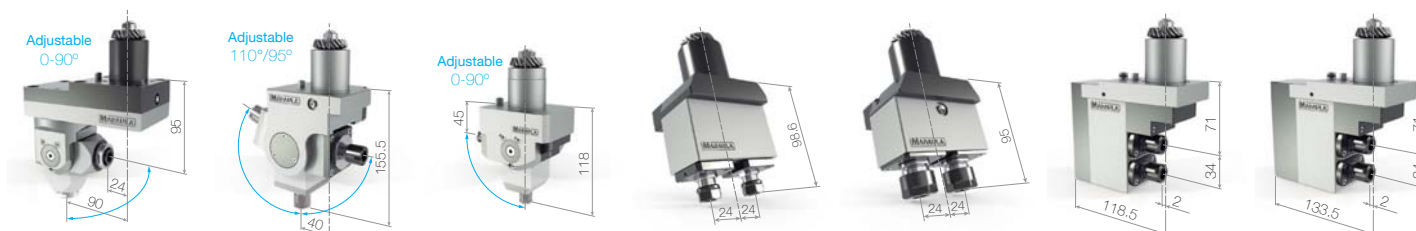


Reducer / Higher torque

STAR

MODELS
ST-20, SV-20R,
ECAS-20T, KNC-16/20, SV-12/20, SV-20R
Turret Tooling

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creative solutions



Type	Radial Adjustable 0-90°	Radial Adjust. +95°/-110°	Radial Back Adjustable 0-90°	Axial 2 Outputs Speeder	Axial 2 Outputs	Radial 2 Outputs	Radial 2 Outputs IC 70 bar
Code	ST.021.20-ER16A	ST.021.20-ER16	ST.021.20-ER11	ST.023.20-ER11	ST.023.20-ER16	ST.029.20	ST.029.20-IC
Star Ref.	-	7.073.560	-	421-52-00	421-51-00	7.075.070	7.073.905
	ER-16A	ER-16M	ER-11M	ER-11	ER-16	ER-16M	ER-16M
RPM Max	6.000	6.000	6.000	9.000	6.000	6.000	6.000
	1:1	1:1	1:1	1:1.67	1:1	1:1	1:1



Type	Polygon Maker	Polygon Maker Reducer	Thread Whirling ±15°	Thread Whirling ±30°	Radial "Y" Axis ±90°	Radial "Y" Axis ±90° Speeder	Radial "Y" Axis ±90° 2 Outputs IC 70 bar
Code	ST.034.20	ST.034.20-R	ST.035.20-15	ST.035.20-30	ST.051.20	ST.051.20-S	ST.051.20-2
Star Ref.	7.074.060	421-81-00	-	-	7.074.815	-	7.073.915
	Cyl-Shaft	Cyl-Shaft	Cutting Head	Cutting Head	ER-16M	ER-16	ER-16M
RPM Max	6.000	4.000	4.000	3.750	6.000	12.000	6.000
	1:1	1.5:1	1.5:1	1.6:1	1:1	1:2	1:1



Symbology

- Internal coolant
- High frequency
- Speeder
- Reducer / Higher torque

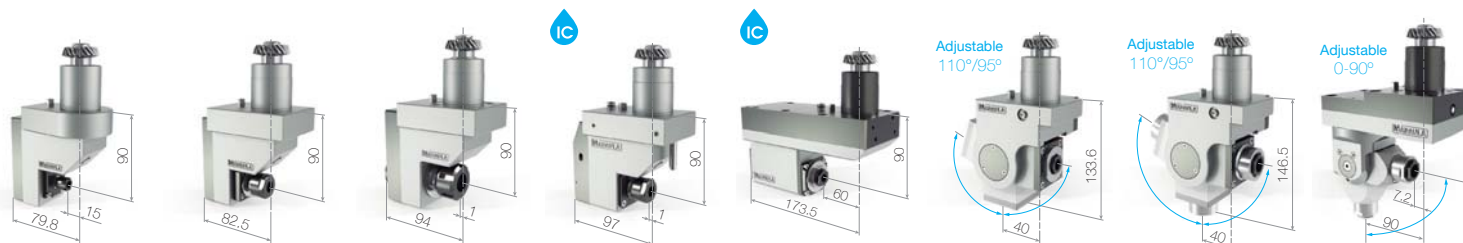
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MODELS
ST-38, SV-38R Type A / B, SX-38 Type A / B,
ECAS-32T, KNC-32, SV-32
Turret Tooling

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creative solutions



Type	Axial	Axial	Axial	Axial IC 70 bar	Radial Double Output	Radial Double Output Speeder	Radial Double Output	Radial 2+2 Outputs
Code	ST.000.32-ER16	ST.000.32-ER20	ST.000.32-ER25	ST.005.32	ST.008.32-ER11	ST.008.32-ER11S	ST.008.32-ER16	ST.008.32-4
Star Ref.	201-50/7.073.793	581-51-00	431-61-00	581-51-01	201-56-00	7.075.105	7.073.530	431-59-00
	ER-16	ER-20	ER-25	ER-20	ER-11	ER-11M	ER-16M	ER-11M
RPM Max	6.000	6.000	6.000	6.000	6.000	18.000	6.000	6.000
	1:1	1:1	1:1	1:1	1:1	1:3	1:1	1:1



Type	Radial Set-back	Radial Set-back	Radial Set-back	Radial Set-back IC 70 bar	Radial Set-back IC 100 bar	Radial Adjust. +95°/-110°	Radial Adjust. +95°/-110°	Radial Adjust. 0-90° Offset
Code	ST.011.32-ER11	ST.011.32-ER16	ST.011.32-ER25	ST.017.32-70	ST.017.32-100	ST.021.32-ER16	ST.021.32-ER20	ST.021.32-O
Star Ref.	201-52-00	-	-	-	7.075.536	-	-	-
	ER-11M	ER-16	ER-25	ER-16	ER-16A	ER-16A	ER-20A	ER-20A
RPM Max	6.000	6.000	6.000	6.000	18.000	6.000	6.000	6.000
	1:1	1:1	1:1	1:1	1:3	1:1	1:1	1:1



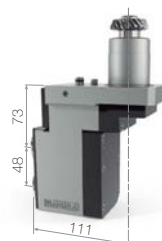
Symbology

- Internal coolant
- High frequency
- Speeder
- Reducer / Higher torque

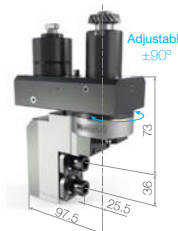
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MODELS
ST-38, SV-38R Type A / B, SX-38 Type A / B,
ECAS-32T, KNC-32, SV-32
Turret Tooling

MADAULA
creative solutions



Type	Axial 2 Outputs	Axial 2 Outputs	Radial 2 Outputs	Radial 2 Outputs Back	Radial Saw-Mill	Axial 2 Outputs IC 70 bar	Axial 2 Outputs IC 70 bar	Thread Whirling $\pm 15^\circ$
Code	ST.023.32-ER11	ST.023.32-ER16	ST.029.32	ST.029.32-B	ST.030.32	ST.033.32-ER16	ST.033.32-ER20	ST.035.32-15
Star Ref.	431-52-00	431-51/7.073.794	-	7.075.580/7.075.585	-	-	-	-
	ER-11M	ER-16	ER-11M	ER-20A	Cyl-Shaft	ER-16	ER-20A	Cutting Head
RPM Max	18.000	6.000	6.000	6.000	4.000	6.000	6.000	6.000
	1:3	1:1	1:1	1:1	1.5:1	1:1	1:1	1:1



Type	Thread Whirling $\pm 20^\circ$	Gear Hobbing $\pm 180^\circ$	Radial Saw-Mill Reducer	Axial Saw-Mill	Radial "Y" Axis $\pm 90^\circ$	Radial "Y" Axis $\pm 90^\circ$	Radial "Y" Axis $\pm 90^\circ$	Tilting "B" Axis 2 Outputs $\pm 90^\circ$
Code	ST.035.32-20	ST.036.32	ST.037.32	ST.038.32	ST.051.32-ER11	ST.051.32-ER16	ST.051.32-2	ST.051.38
Star Ref.	431-56-00	7.073.740	-	431-54-00	-	-	581-55/431-63 7.074.890/7.075.020	Only for SV-38R Type B
	Cutting Head	Cyl-Shaft	Cyl-Shaft	Cyl-Shaft	ER-11M	ER-16	ER-11M	ER-16M
RPM Max	3.000	6.000	4.000	2.000	6.000	6.000	6.000	6.000
	2:1	1:1	1.5:1	3:1	1:1	1:1	1:1	1:1

Symbology

- Internal coolant
- High frequency
- Speeder
- Reducer / Higher torque