

X-Heads Additions Heads & Shanks



Your challenge

Need to purchase many different end mills and holders to machine different features on a workpiece which adds higher cost to a project.

Our solution

Quick-change exchangeable milling head system adapts to various machining needs with a range of cutting profiles and materials without additional holders.

Your challenge

Tool changes require time consuming remeasuring and resetting of tool heights.

Our solution

Quick-change milling heads or modular end mills eliminate the need to remove, remeasure and reset tools.

Your challenge

Deep part features require an inventory of various expensive longreach holders or tools.

Our solution

Broad range of quick-change end mills that are adaptable to longreach shanks.



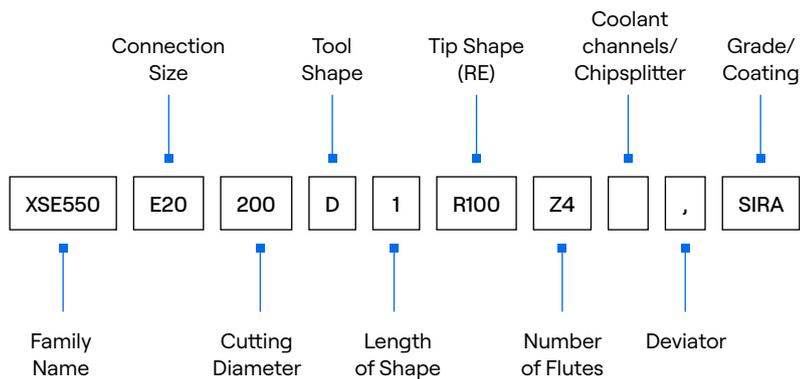
Scan the QR code and find out more information

X-Heads Additions Heads & Shanks

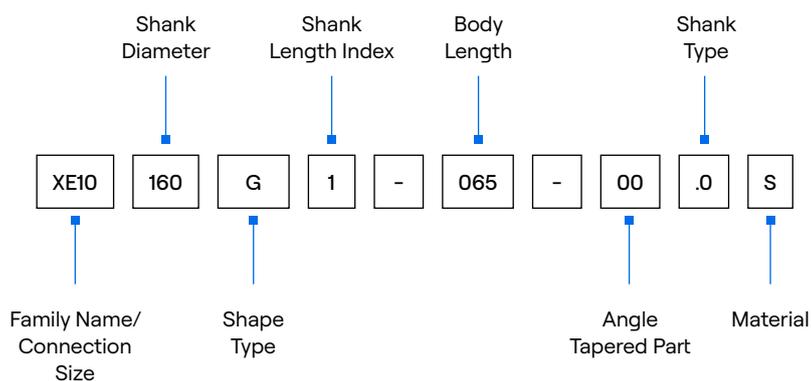
Customer benefits

- Tooling speed and simplicity
- Greater machining flexibility
- Shorter tool changeout times
- Better tool setting precision
- Cost-effective tooling
- Increased milling versatility
- More possibilities with new geometries

Code key: Heads

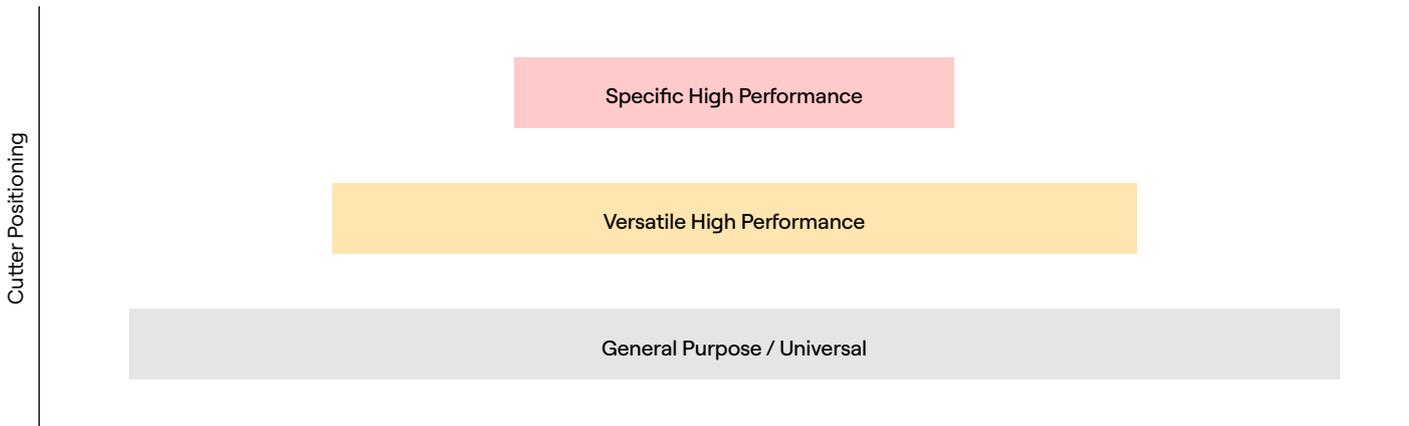


Code key: Shanks



X-Heads Additions Heads & Shanks

Exchangable head positioning



Seco High Performance	
XSE720 (HXT)	Performance multi-flute
XSB720 (HXT)	Performance ballnose multi-flute
XHF780 (HXT)	Performance HighFeed
XHF580 (HXT)	Performance HighFeed + ICC
XSE450 (AXT)	Performance Alu dedicated 3 flute
XHT740 (SIRA)	Barrel tools for finishing

Versatile High Performance	
XSE550 (SIRA)	Performance 3 Flute
XSE550 (SIRA)	Performance 4 flute
XSE550 (SIRA)	Performance 5 flute
XSB540 (SIRA)	Performance 4 flute ball with ICC

Seco Versatile	
XVC512	Chamfer SIG30
XVC506	Chamfer SIG60
XVC509	Chamfer SIG90
XVK310	Concave
XVE540	Basic 3 & 4 flute
XVE510	Basic 2 flute (spade)
XVB510	Basic Ball



Industry targets

- General Engineering: Versatile for High Mix & Low Volume
- Aerospace: Structural Parts and Pylons, Blisks, Casings, Discs
- Automotive: Transmission parts, Turbo Housings, Steering Knuckles
- Medical: Implants
- Energy: Impellers and Turbine Wheels, Turbine Blades

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X-Head high performance cutter overview:



Geometry	XSE720	XSB720	XHF780	XHF580	XSE450	XHT740
Type	Multiflute	Ballnose multiflute	High feed	High feed with icc	Dedicated aluminum	Barrel for finishing
Diameter Range	10-25mm (0,375-1,0")	10-20mm (0,375-1,0")	10-16mm (0,375-0,625")	10-16mm (0,375-0,625")	10-20mm (0,375-1,0")	10-16mm
Number of Flutes	6	6	3	4	4	4 & 6
Length Availability	D3	D3	D1	D1	D2	T2 & T3
Operation						

X-Head versatile performance cutter overview:



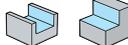
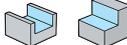
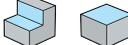
Geometry	XSE550	XSE550	XSE550	XSB540
Type	Square Shoulder	Square Shoulder	Square Shoulder	Ball Endmill with ICC
Diameter Range	10-25mm (0,375-0,75")	10-25mm (0,375-0,75")	10-20mm (0,375-1,0")	10-16mm
Number of Flutes	3	4	5	4
Length Availability	D1*-D2	D1*-D2	D2	D1
Operation				

*D1 (0,55 x Diameter) Version with stabilizing land for long reach applications

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X-Head general purpose cutter overview:



Geometry	XVC506	XVC509	XVC512	XVK310	XVE540	XVE510	XVB510
Type	Chamfer SIG 60	Chamfer SIG 90	Chamfer SIG 120	Concave	Square Shoulder with ICC	Spade	Ballnose
Diameter Range	10-12mm	10-16mm	12mm	12-20mm	10-20mm (0.375-0.75")	10-12mm	10-16mm (0.375-0.625)
Number of Flutes	2	2 & 6	2	4	3 & 4	2	2
Length Availability	N1	N1	N1	D1	D1	D1	D1
Operation							

Reduce your inventory

- With this system one cutter head can be used on various shanks to meet different reach requirements.
- Shanks that can accept multiple types of cutting heads.
- Many tool length options with the shank selection.

Metric/Inch DCONWS	Steel Shanks	Carbide/Heavy Metal
10mm	9	3
12mm	9	3
16mm	7	3
20mm	4	4
25mm	3	4
3/8"	7	1
1/2"	9	1
5/8"	8	1
3/4"	2	1
1"	4	3

- Ground Taper for secure seating in the shank and optimal axial/radial runout precision.
- External Thread on Heads provides easy changeability and adds density for improved performance and strength.
- Contact Face with shank for secure mounting and setting height repeatability.



Cylindrical Shanks

- 86 total items
- 62 Steel Shanks
- 24 Carbide / Heavy Metal