

JS720 Additions



Your challenge

Optimize cycle time in advanced roughing operations whilst maintaining your tool life.

Our solution

9 flutes increase metal removal rate whilst maintaining the same Feed per Tooth and a tapered core reduces tool deflection.

Your challenge

Machining deep pockets in aerospace structural parts.

Our solution

38° helix angle provides reliable cutting action in less stable conditions, while optimized chip splitters reduce tool breakage and workpiece scrap.

Your challenge

Extended tool life.

Our solution

Our HXT coating is patented and provides superior bonding and a hard top layer.



Scan the QR code
and find out more
information

JS720 Additions

Machining in ISO S & M materials

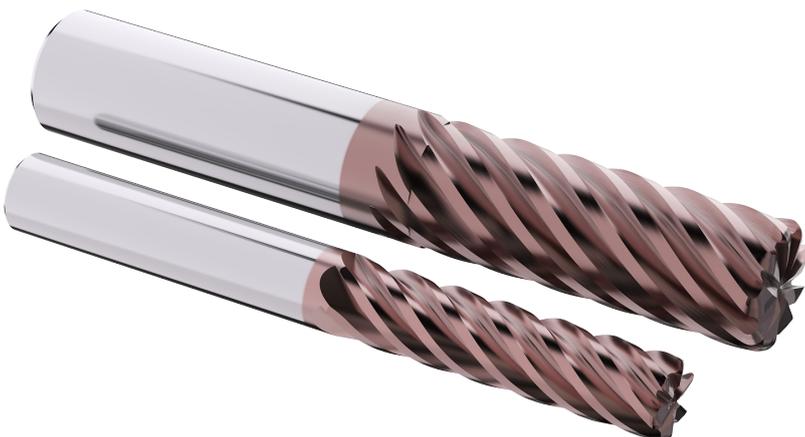
The JS720 end mills are excellent choices for machining ISO S & M materials, offering high performance in semi-finish operations and advanced roughing strategies. When it comes to advanced roughing titanium, these end mills can run at an a_e that is 7 to 15% of the Dc.

These end mills feature many notable characteristics. An irregular pitch prevents chatter. The tapered core design increases stability while allowing for a high radial width of cut. A new polished HXT coating with superior bonding ensures longer tool life. A 38-degree helix angle provides reliable cutting action in less stable conditions, while a 9-degree radial eccentric relief contributes to strong cutting edges. Additionally, the JS720 features radii optimized for aerospace structural part machining.

Overall, our innovative approach to edge preparation, coating and polishing gives our JS720 series the ability to achieve up to 30% more tool life than similar cutters. These cutters also prove to be 70% more productive than conventional 4 flute end mills in comparable situations.

Range overview

- Optimized tool design
- Cutting diameter range from $\varnothing 6$ to $\varnothing 25$ mm
- 6 and 9 flute
- Corner radii from 0.5mm to 6mm
- Cutting lengths from 2.5x to 3xDc
- With and without Chipsplitters
- Standard Cylindrical shanks, with Weldon and Safe-Lock™ shank options



Tolerances:

DMM = h5

Dc = e7

RE \pm 0.02 mm

JS720 range overview

JS720 6 flute without chipsplitters

● New products

Designation	Length index	Tool Shape	DC (mm)	DMM (mm)	APMXS (mm)	OAL (mm)	RE (mm)	PCEDC	Cylindrical	Weldon	Safelock
JS720060D2R050.0Z6-HXT	2	D	6	6	17	57	0.5	6	03060293	03060339	03060374
JS720060D2R100.0Z6-HXT	2	D	6	6	17	57	1	6	03060294	03060340	03060375
JS720080D2R050.0Z6-HXT	2	D	8	8	23	63	0.5	6	03060295	03060341	03060376
JS720080D2R100.0Z6-HXT	2	D	8	8	23	63	1	6	03061294	03061295	03061296
JS720100D2R050.0Z6-HXT	2	D	10	10	26	72	0.5	6	03060296	03060342	03060377
JS720100D2R100.0Z6-HXT	2	D	10	10	26	72	1	6	03060298	03060344	03060379
JS720100D2R200.0Z6-HXT	2	D	10	10	26	72	2	6	03060299	03060345	03060380
JS720100D2R300.0Z6-HXT	2	D	10	10	26	72	3	6	03060300	03060346	03060381
JS720120D2R050.0Z6-HXT	2	D	12	12	30	83	0.5	6	03060301	03060347	03060382
JS720120D2R100.0Z6-HXT	2	D	12	12	30	83	1	6	03060304	03060349	03060384
JS720120D2R200.0Z6-HXT	2	D	12	12	30	83	2	6	03060305	03060350	03060385
JS720120D2R300.0Z6-HXT	2	D	12	12	30	83	3	6	03060306	03060351	03060386
JS720160D2R050.0Z6-HXT	2	D	16	16	44	99	0.5	6	03060307	03060352	03060387
JS720160D2R100.0Z6-HXT	2	D	16	16	44	99	1	6	03060309	03060354	03060389
JS720160D2R200.0Z6-HXT	2	D	16	16	44	99	2	6	03060310	03060355	03060390
JS720160D2R300.0Z6-HXT	2	D	16	16	44	99	3	6	03060311	03060356	03060391
JS720160D2R400.0Z6-HXT	2	D	16	16	44	99	4	6	03060312	03060357	03060392
JS720160D2R600.0Z6-HXT	2	D	16	16	44	99	6	6	03060313	03060358	03060393
JS720200D2R050.0Z6-HXT	2	D	20	20	45	105	0.5	6	10228426	10228444	10228464
JS720200D2R100.0Z6-HXT	2	D	20	20	45	105	1	6	10228427	10228445	10228465
JS720200D2R200.0Z6-HXT	2	D	20	20	45	105	2	6	10228428	10228446	10228467
JS720200D2R300.0Z6-HXT	2	D	20	20	45	105	3	6	10228429	10228447	10228468
JS720250D2R050.0Z6-HXT	2	D	25	25	50	125	0.5	6	10228430	10228448	10228469
JS720250D2R100.0Z6-HXT	2	D	25	25	50	125	1	6	10228431	10228449	10228470
JS720250D2R200.0Z6-HXT	2	D	25	25	50	125	2	6	10228432	10228450	10228471
JS720250D2R300.0Z6-HXT	2	D	25	25	50	125	3	6	03169498	10228451	10228472

JS720 6 flute without chipsplitters

● New products

Designation	Length index	Tool Shape	DC (mm)	DMM (mm)	APMXS (mm)	OAL (mm)	RE (mm)	PCEDC	Cylindrical	Weldon	Safelock
JS720080D3R050.0Z6-HXT	3	D	8	8	32	80	0.5	6	10228433	10228452	10228473
JS720080D3R100.0Z6-HXT	3	D	8	8	32	80	1	6	10228434	10228453	10228474
JS720100D3R050.0Z6-HXT	3	D	10	10	40	89	0.5	6	10228435	10228454	10228475
JS720100D3R100.0Z6-HXT	3	D	10	10	40	89	1	6	10228436	10228455	10228476
JS720100D3R200.0Z6-HXT	3	D	10	10	40	89	2	6	10228437	10228456	10228477
JS720120D3R050.0Z6-HXT	3	D	12	12	45	100	0.5	6	10228438	10228457	10228478
JS720120D3R100.0Z6-HXT	3	D	12	12	45	100	1	6	10228439	10228458	10228479
JS720120D3R200.0Z6-HXT	3	D	12	12	45	100	2	6	10228440	10228459	10228480
JS720160D3R050.0Z6-HXT	3	D	16	16	65	130	0.5	6	10228441	10228460	10228481
JS720160D3R100.0Z6-HXT	3	D	16	16	65	130	1	6	10228442	10228461	10228482
JS720160D3R200.0Z6-HXT	3	D	16	16	65	130	2	6	10228443	10228462	10228483
JS720160D3R300.0Z6-HXT	3	D	16	16	65	130	3	6	03169497	10228463	10228484
JS720200D3R050.0Z6-HXT	3	D	20	20	62	121	0.5	6	03060314	03060359	03060394
JS720200D3R100.0Z6-HXT	3	D	20	20	62	121	1	6	03060316	03060361	03060396
JS720200D3R200.0Z6-HXT	3	D	20	20	62	121	2	6	03060317	03060362	03060397
JS720200D3R300.0Z6-HXT	3	D	20	20	62	121	3	6	03060318	03060363	03060398
JS720200D3R400.0Z6-HXT	3	D	20	20	62	121	4	6	03060319	03060364	03060399
JS720200D3R500.0Z6-HXT	3	D	20	20	62	121	5	6	03060320	03060365	03060400
JS720200D3R600.0Z6-HXT	3	D	20	20	62	121	6	6	03060321	03060366	03060401
JS720250D3R050.0Z6-HXT	3	D	25	25	78	146	0.5	6	03060322	03060367	03060402
JS720250D3R100.0Z6-HXT	3	D	25	25	78	146	1	6	03060323	03060368	03060403
JS720250D3R200.0Z6-HXT	3	D	25	25	78	146	2	6	03060324	03060369	03060404
JS720250D3R300.0Z6-HXT	3	D	25	25	78	146	3	6	03060325	03060370	03060405
JS720250D3R400.0Z6-HXT	3	D	25	25	78	146	4	6	03060326	03060371	03060406
JS720250D3R600.0Z6-HXT	3	D	25	25	78	146	6	6	03060327	03060372	03060407

JS720 6 flute with chip splitters

● New products

Designation	Length index	Tool Shape	Chip splitters	DC (mm)	DMM (mm)	APMXS (mm)	OAL (mm)	RE (mm)	PCEDC	Cylindrical	Weldon	Safelock
JS720080D2R050.0Z6C-HXT	2	D	●	8	8	23	63	0.5	6	10228513	10228520	10228527
JS720080D2R100.0Z6C-HXT	2	D	●	8	8	23	63	1	6	10228514	10228521	10228528
JS720100D2R050.0Z6C-HXT	2	D	●	10	10	26	72	0.5	6	03060297	03060343	03060378
JS720100D2R100.0Z6C-HXT	2	D	●	10	10	26	72	1	6	10228515	10228522	10228529
JS720120D2R050.0Z6C-HXT	2	D	●	12	12	30	83	0.5	6	03060302	03060348	03060383
JS720120D2R100.0Z6C-HXT	2	D	●	12	12	30	83	1	6	03298280	03298308	03298334
JS720120D2R200.0Z6C-HXT	2	D	●	12	12	30	83	2	6	03298281	03298309	03298335
JS720120D2R250.0Z6C-HXT	2	D	●	12	12	30	83	2.5	6	03298282	03298310	03298336
JS720120D2R300.0Z6C-HXT	2	D	●	12	12	30	83	3	6	03298283	03298311	03298337
JS720120D2R310.0Z6C-HXT	2	D	●	12	12	30	83	3.1	6	03298284	03298312	03298338
JS720160D2R050.0Z6C-HXT	2	D	●	16	16	44	99	0.5	6	03060308	03060353	03060388
JS720160D2R100.0Z6C-HXT	2	D	●	16	16	44	99	1	6	03298285	03298313	03298339
JS720160D2R200.0Z6C-HXT	2	D	●	16	16	44	99	2	6	03298286	03298314	03298340
JS720160D2R250.0Z6C-HXT	2	D	●	16	16	44	99	2.5	6	03298287	03298315	03298341
JS720160D2R300.0Z6C-HXT	2	D	●	16	16	44	99	3	6	03298288	03298316	03298342
JS720160D2R310.0Z6C-HXT	2	D	●	16	16	44	99	3.1	6	03298289	03298317	03298343
JS720160D2R400.0Z6C-HXT	2	D	●	16	16	44	99	4	6	03298290	03298318	03298344
JS720160D2R600.0Z6C-HXT	2	D	●	16	16	44	99	6	6	03298291	03298319	03298345
JS720160D3R050.0Z6C-HXT	3	D	●	16	16	65	130	0.5	6	10228516	10228523	10228530
JS720160D3R100.0Z6C-HXT	3	D	●	16	16	65	130	1	6	10228517	10228524	10228531
JS720160D3R200.0Z6C-HXT	3	D	●	16	16	65	130	2	6	10228518	10228525	10228532
JS720160D3R300.0Z6C-HXT	3	D	●	16	16	65	130	3	6	10228519	10228526	10228533
JS720200D3R050.0Z6C-HXT	3	D	●	20	20	62	121	0.5	6	03060315	03060360	03060395
JS720200D3R100.0Z6C-HXT	3	D	●	20	20	62	121	1	6	03298292	03298320	03298346
JS720200D3R200.0Z6C-HXT	3	D	●	20	20	62	121	2	6	03298293	03298321	03298347
JS720200D3R250.0Z6C-HXT	3	D	●	20	20	62	121	2.5	6	03298294	03298322	03298348
JS720200D3R300.0Z6C-HXT	3	D	●	20	20	62	121	3	6	03298295	03298323	03298349
JS720200D3R310.0Z6C-HXT	3	D	●	20	20	62	121	3.1	6	03298296	03298324	03298350
JS720200D3R400.0Z6C-HXT	3	D	●	20	20	62	121	4	6	03298297	03298325	03298351
JS720200D3R500.0Z6C-HXT	3	D	●	20	20	62	121	5	6	03298298	03298326	03298352
JS720200D3R600.0Z6C-HXT	3	D	●	20	20	62	121	6	6	03298299	03298327	03298353
JS720250D3R050.0Z6C-HXT	3	D	●	25	25	78	146	0.5	6	03066270	03066460	03066461
JS720250D3R100.0Z6C-HXT	3	D	●	25	25	78	146	1	6	03298300	03298328	03298354
JS720250D3R200.0Z6C-HXT	3	D	●	25	25	78	146	2	6	03298301	03298329	03298355
JS720250D3R300.0Z6C-HXT	3	D	●	25	25	78	146	3	6	03298302	03298330	03298356
JS720250D3R400.0Z6C-HXT	3	D	●	25	25	78	146	4	6	03298303	03298331	03298357
JS720250D3R600.0Z6C-HXT	3	D	●	25	25	78	146	6	6	03298304	03298332	03298358

JS720 9 flute without chipsplitters

● New products

Designation	Length index	Tool Shape	DC (mm)	DMM (mm)	APMXS (mm)	OAL (mm)	RE (mm)	PCEDC	Cylindrical	Weldon	SafeLock
JS720100D2R050.0Z9-HXT	2	D	10	10	26	72	1	9	10067510	10067881	10067909
JS720100D2R100.0Z9-HXT	2	D	10	10	26	72	1	9	10067511	10067882	10067910
JS720100D2R200.0Z9-HXT	2	D	10	10	26	72	2	9	10067512	10067883	10067911
JS720120D2R050.0Z9-HXT	2	D	12	12	30	83	1	9	10067513	10067884	10067912
JS720120D2R100.0Z9-HXT	2	D	12	12	30	83	1	9	10067514	10067885	10067913
JS720120D2R200.0Z9-HXT	2	D	12	12	30	83	2	9	10067515	10067886	10067914
JS720160D2R100.0Z9-HXT	2	D	16	16	44	99	1	9	10008152	10008279	10008295
JS720160D2R200.0Z9-HXT	2	D	16	16	44	99	2	9	10008153	10008280	10008296
JS720160D2R300.0Z9-HXT	2	D	16	16	44	99	3	9	10008154	10008281	10008297
JS720200D2R100.0Z9-HXT	2	D	20	20	45	105	1	9	10228393	10228396	10228399
JS720200D2R200.0Z9-HXT	2	D	20	20	45	105	2	9	10228394	10228397	10228400
JS720200D2R300.0Z9-HXT	2	D	20	20	45	105	3	9	10228395	10228398	10228401
JS720250D2R100.0Z9-HXT	2	D	25	25	50	125	1	9	10008155	10008282	10008298
JS720250D2R200.0Z9-HXT	2	D	25	25	50	125	2	9	10008156	10008283	10008299
JS720250D2R300.0Z9-HXT	2	D	25	25	50	125	3	9	10008157	10008284	10008300
JS720100D3R050.0Z9-HXT	3	D	10	10	40	89	1	9	10067516	10067887	10067915
JS720100D3R100.0Z9-HXT	3	D	10	10	40	89	1	9	10067517	10067888	10067916
JS720100D3R200.0Z9-HXT	3	D	10	10	40	89	2	9	10067518	10067889	10067917
JS720120D3R050.0Z9-HXT	3	D	12	12	45	100	1	9	10067519	10067890	10067918
JS720120D3R100.0Z9-HXT	3	D	12	12	45	100	1	9	10067520	10067891	10067919
JS720120D3R200.0Z9-HXT	3	D	12	12	45	100	2	9	10067521	10067892	10067921
JS720160D3R100.0Z9-HXT	3	D	16	16	65	130	1	9	10008158	10008285	10008301
JS720160D3R200.0Z9-HXT	3	D	16	16	65	130	2	9	10008159	10008286	10008302
JS720160D3R300.0Z9-HXT	3	D	16	16	65	130	3	9	10008160	10008287	10008303
JS720200D3R100.0Z9-HXT	3	D	20	20	62	121	1	9	10008161	10008288	10008304
JS720200D3R200.0Z9-HXT	3	D	20	20	62	121	2	9	10008162	10008289	10008305
JS720200D3R300.0Z9-HXT	3	D	20	20	62	121	3	9	10008163	10008290	10008306
JS720250D3R100.0Z9-HXT	3	D	25	25	78	146	1	9	10008164	10008292	10008307
JS720250D3R200.0Z9-HXT	3	D	25	25	78	146	2	9	10008165	10008293	10008308
JS720250D3R300.0Z9-HXT	3	D	25	25	78	146	3	9	10008166	10008294	10008309

JS720 9 flute with chipsplitters

Designation	Length index	Tool Shape	Chip splitters	DC (mm)	DMM (mm)	APMXS (mm)	OAL (mm)	RE (mm)	PCEDC	Cylindrical	Weldon	Safelock
JS720100D3R050.0Z9C-HXT	3	D	●	10	10	40	89	0.5	9	10067522	10067893	10067922
JS720100D3R100.0Z9C-HXT	3	D	●	10	10	40	89	1	9	10067523	10067894	10067923
JS720100D3R200.0Z9C-HXT	3	D	●	10	10	40	89	2	9	10067524	10067895	10067924
JS720120D3R050.0Z9C-HXT	3	D	●	12	12	45	100	0.5	9	10067525	10067897	10067925
JS720120D3R100.0Z9C-HXT	3	D	●	12	12	45	100	1	9	10067526	10067898	10067926
JS720120D3R200.0Z9C-HXT	3	D	●	12	12	45	100	2	9	10067527	10067899	10067927
JS720160D3R100.0Z9C-HXT	3	D	●	16	16	65	130	1	9	10067528	10067900	10067928
JS720160D3R200.0Z9C-HXT	3	D	●	16	16	65	130	2	9	10067529	10067901	10067929
JS720160D3R300.0Z9C-HXT	3	D	●	16	16	65	130	3	9	10067530	10067902	10067930
JS720200D3R100.0Z9C-HXT	3	D	●	20	20	62	121	1	9	10067531	10067903	10067931
JS720200D3R200.0Z9C-HXT	3	D	●	20	20	62	121	2	9	10067532	10067904	10067932
JS720200D3R300.0Z9C-HXT	3	D	●	20	20	62	121	3	9	10067533	10067905	10067933
JS720250D3R100.0Z9C-HXT	3	D	●	25	25	78	146	1	9	10067534	10067906	10067934
JS720250D3R200.0Z9C-HXT	3	D	●	25	25	78	146	2	9	10067535	10067907	10067935
JS720250D3R300.0Z9C-HXT	3	D	●	25	25	78	146	3	9	10067536	10067908	10067936



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