

BELZ

NEW SERIES

UNC

UNF

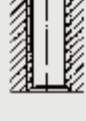
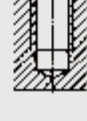


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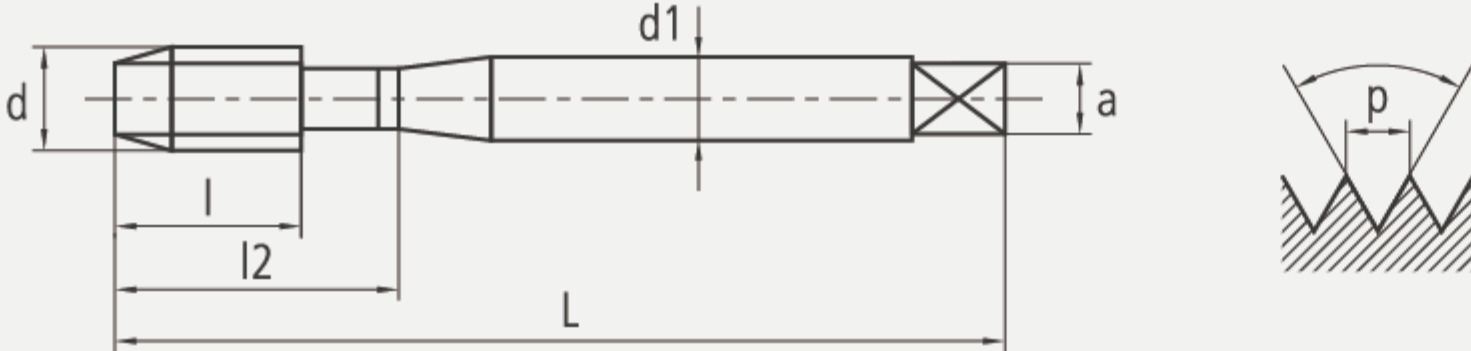


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Product Overview (UNC , UNF)

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UNC/UNF E Line DIN Length DIN Shank DE-G-SFT High Efficiency for Stable Working Conditions										HSSE  HSSE  HSSE  HSSE 			
													
Standard										DIN371	DIN371	DIN374	DIN376
Coating										AlCrN	AlCrN	AlCrN	AlCrN
										C/2.5P	C/2.5P	C/2.5P	C/2.5P
Product Code	Size	L	l	L2	d1	a	Limit	Flute		Order No.	Order No.	Order No.	Order No.
DEGSFT0440UNC252B	No.4-40UNC	56	5.1	18	3.5	2.7	2B	3	2.3	385811 ○			
DEGSFT0448UNF252B	No.4-48UNF	56	5.1	18	3.5	2.7	2B	3	2.4	385812 ○			
DEGSFT0632UNC252B	No.6-32UNC	56	6.4	20	4	3	2B	3	2.8	385813 ○			
DEGSFT0640UNF252B	No.6-40UNF	56	6.4	20	4	3	2B	3	2.9	385814 ○			
DEGSFT0832UNC252B	No.8-32UNC	63	6.4	21	4.5	3.4	2B	3	3.4	385815 ○			
DEGSFT0836UNF252B	No.8-36UNF	63	6.4	21	4.5	3.4	2B	3	3.5	385816 ○			
DEGSFT1024UNC252B	No.10-24UNC	70	8.5	25	6	4.9	2B	3	3.9	385817 ○			
DEGSFT1032UNF252B	No.10-32UNF	70	8.5	25	6	4.9	2B	3	4.1	385818 ○			
DEGSFT1224UNC252B	No.12-24UNC	80	8.5	30	6	4.9	2B	3	4.5	385819 ○			
DEGSFT1228UNF252B	No.12-28UNF	80	8.5	30	6	4.9	2B	3	4.6	385820 ○			
DEGSFT1420UNC252B	1/4-20UNC	80	10.2	30	7	5.5	2B	3	5.1	385821 ●			
DEGSFT1428UNF252B	1/4-28UNF	80	10.2	30	7	5.5	2B	3	5.5	385822 ●			
DEGSFT51618UNC252B	5/16-18UNC	90	14.2	35	8	6.2	2B	3	6.6		385823 ●		
DEGSFT51624UNF252B	5/16-24UNF	90	10.6	35	8	6.2	2B	3	6.9		385824 ○		
DEGSFT3816UNC252B	3/8-16UNC	100	15.9	39	9	7	2B	3	8		385825 ●		
DEGSFT3824UNF252B	3/8-24UNF	100	10.6	39	9	7	2B	3	8.5		385826 ●		
DEGSFT71614UNC252B	7/16-14UNC	100	18.2	40	8	6.2	2B	3	9.4				385827 ●
DEGSFT71620UNF252B	7/16-20UNF	100	12.7	40	8	6.2	2B	3	9.9			385828 ○	
DEGSFT1213UNC252B	1/2-13UNC	110	19.6	44	9	7	2B	4	10.8				385829 ●
DEGSFT1220UNF252B	1/2-20UNF	100	12.7	40	9	7	2B	4	11.5			385830 ○	
DEGSFT91612UNC252B	9/16-12UNC	110	21.2	44	11	9	2B	4	12.2				385831 ○
DEGSFT91618UNF252B	9/16-18UNF	100	14.2	40	11	9	2B	4	12.9			385832 ○	
DEGSFT5811UNC252B	5/8-11UNC	110	23.1	44	12	9	2B	4	13.6				385833 ○
DEGSFT5818UNF252B	5/8-18UNF	100	14.2	40	12	9	2B	4	14.5			385834 ○	

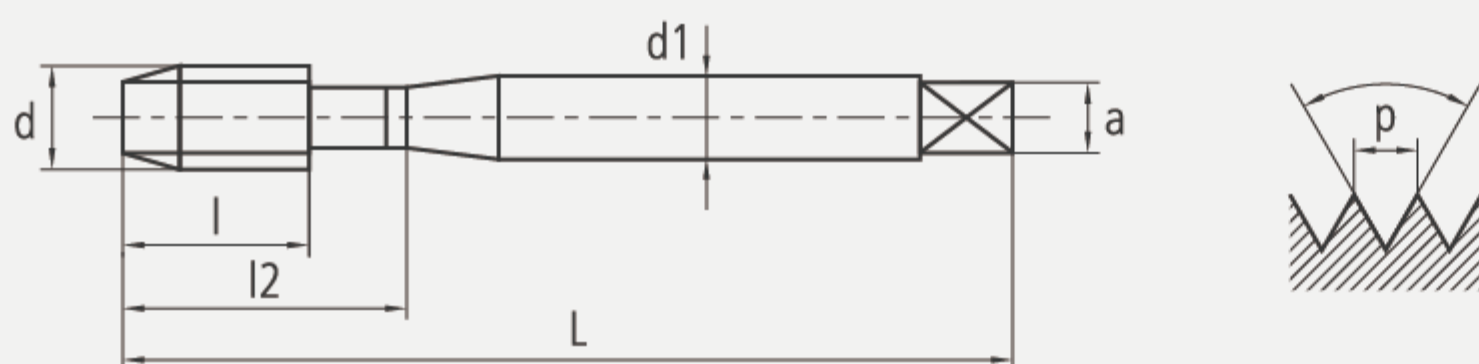
★ Vc: 5-15m/min
★ Steel, Alloy Steel, Stainless Steel and Cast Iron: HRC 20 to 32

P	M	K	N	S	H
◎	○	○	-	-	-

UNC/UNF E Line

DIN Length
DIN Shank

DE-G-POT
High Efficiency for Stable
Working Conditions



HSSE



HSSE



HSSE



HSSE



Standard

DIN371

DIN371

DIN374

DIN376

Coating

AlCrN

AlCrN

AlCrN

AlCrN



B/5P

B/5P

B/5P

B/5P

Product Code	Size	L	l	L2	d1	a	Limit	Flute		Order NO.	Art.Stock	Art.Stock	Art.Stock
DEGPOT0440UNC502B	No.4-40UNC	56	11	18	3.5	2.7	2B	3	2.3	395811 ○			
DEGPOT0448UNF502B	No.4-48UNF	56	11	18	3.5	2.7	2B	3	2.4	395812 ○			
DEGPOT0632UNC502B	No.6-32UNC	56	12	20	4	3	2B	3	2.8	395813 ○			
DEGPOT0640UNF502B	No.6-40UNF	56	12	20	4	3	2B	3	2.9	395814 ○			
DEGPOT0832UNC502B	No.8-32UNC	63	13	21	4.5	3.4	2B	3	3.4	395815 ○			
DEGPOT0836UNF502B	No.8-36UNF	63	13	21	4.5	3.4	2B	3	3.5	395816 ○			
DEGPOT1024UNC502B	No.10-24UNC	70	15	25	6	4.9	2B	3	3.9	395817 ○			
DEGPOT1032UNF502B	No.10-32UNF	70	15	25	6	4.9	2B	3	4.1	395818 ○			
DEGPOT1224UNC502B	No.12-24UNC	80	16	30	6	4.9	2B	3	4.5	395819 ○			
DEGPOT1228UNF502B	No.12-28UNF	80	16	30	6	4.9	2B	3	4.6	395820 ○			
DEGPOT1420UNC502B	1/4-20UNC	80	17	30	7	5.5	2B	3	5.1	395821 ○			
DEGPOT1428UNF502B	1/4-28UNF	80	17	30	7	5.5	2B	3	5.5	395822 ○			
DEGPOT51618UNC502B	5/16-18UNC	90	20	35	8	6.2	2B	3	6.6	395823 ○			
DEGPOT51624UNF502B	5/16-24UNF	90	17	35	8	6.2	2B	3	6.9	395824 ○			
DEGPOT3816UNC502B	3/8-16UNC	100	22	39	9	7	2B	3	8		395825 ○		
DEGPOT3824UNF502B	3/8-24UNF	100	18	39	9	7	2B	3	8.5		395826 ○		
DEGPOT71614UNC502B	7/16-14UNC	100	22	40	8	6.2	2B	3	9.4				395827 ○
DEGPOT71620UNF502B	7/16-20UNF	100	22	40	8	6.2	2B	3	9.9			395828 ○	
DEGPOT1213UNC502B	1/2-13UNC	110	25	44	9	7	2B	3	10.8				395829 ○
DEGPOT1220UNF502B	1/2-20UNF	100	22	40	9	7	2B	3	11.5			395830 ○	
DEGPOT91612UNC502B	9/16-12UNC	110	26	44	11	9	2B	3	12.2				395831 ○
DEGPOT91618UNF502B	9/16-18UNF	100	22	40	11	9	2B	3	12.9			395832 ○	
DEGPOT5811UNC502B	5/8-11UNC	110	27	44	12	9	2B	4	13.6				395833 ○
DEGPOT5818UNF502B	5/8-18UNF	100	22	40	12	9	2B	4	14.5			395834 ○	

★ Vc: 10-20m/min

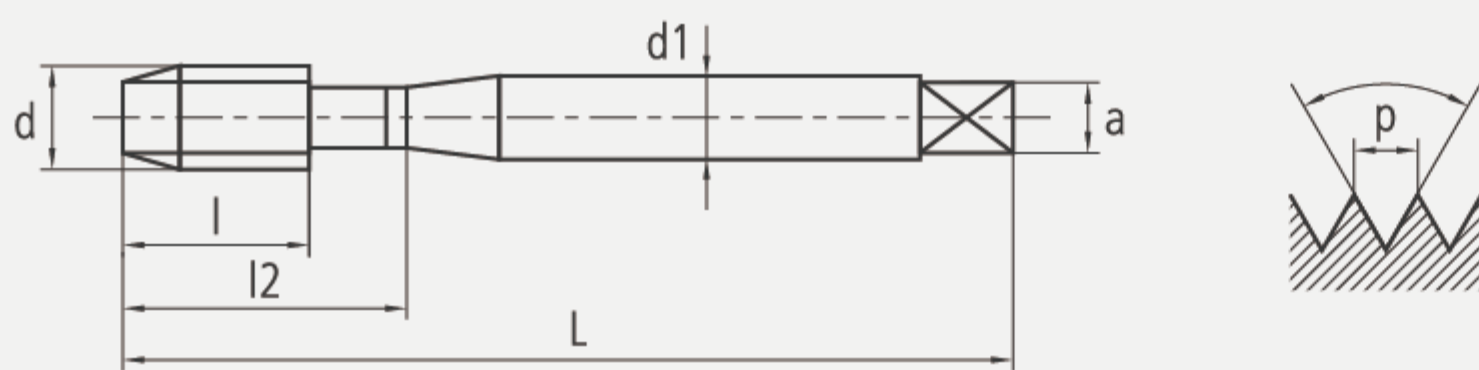
★ Steel, Alloy Steel, Stainless Steel and Cast Iron; HRC 20 to 32

P	M	K	N	S	H
◎	○	○	-	-	-

UNC/UNF R Line

JIS Length
JIS Shank

JR-P-SFT
For Unstable Steel Machining
Conditions



HSSE



HSSE



Standard

JIS

JIS

Coating

TiN

TiN



C/2.5P

C/2.5P

Product Code	Size	L	l	L2	d1	a	Limit	Flute		Art.Stock	Art.Stock
JRPSFT0440UNC25OH1	No.4-40UNC	44	7.7	17	3	2.5	OH1	3	2.3	765811 ●	
JRPSFT0448UNF25OH1	No.4-48UNF	44	7.7	17	3	2.5	OH1	3	2.4	765812 ○	
JRPSFT0632UNC25OH2	No.6-32UNC	48	9.6	21	4	3.2	OH2	3	2.8	765813 ●	
JRPSFT0640UNF25OH1	No.6-40UNF	48	9.6	21	4	3.2	OH1	3	2.9	765814 ○	
JRPSFT0832UNC25OH2	No.8-32UNC	52	9.6	21	5	4	OH2	3	3.4	765815 ●	
JRPSFT0836UNF25OH2	No.8-36UNF	52	9.6	21	5	4	OH2	3	3.5	765816 ○	
JRPSFT1024UNC25OH2	No.10-24UNC	60	12.7	24	5.5	4.5	OH2	3	3.9	765817 ●	
JRPSFT1032UNF25OH2	No.10-32UNF	60	12.7	24	5.5	4.5	OH2	3	4.1	765818 ○	
JRPSFT1224UNC25OH2	No.12-24UNC	60	12.7	25	5.5	4.5	OH2	3	4.5	765819 ○	
JRPSFT1228UNF25OH2	No.12-28UNF	60	12.7	25	5.5	4.5	OH2	3	4.6	765820 ○	
JRPSFT1420UNC25OH3	1/4-20UNC	62	15.3	29	6	4.5	OH3	3	5.1	765821 ●	
JRPSFT1428UNF25OH2	1/4-28UNF	62	15.3	29	6	4.5	OH2	3	5.5	765822 ○	
JRPSFT51618UNC25OH3	5/16-18UNC	70	17	37	6.1	5	OH3	3	6.6		765823 ●
JRPSFT51624UNF25OH2	5/16-24UNF	70	17	37	6.1	5	OH2	3	6.9		765824 ○
JRPSFT3816UNF25OH3	3/8-16UNC	75	19	41	7	5.5	OH3	3	8		765825 ●
JRPSFT3824UNF25OH2	3/8-24UNF	75	19	41	7	5.5	OH2	3	8.5		765826 ○
JRPSFT71614UNC25OH3	7/16-14UNC	80	22	48	8	6	OH3	3	9.4		765827 ○
JRPSFT71620UNF25OH3	7/16-20UNF	80	22	48	8	6	OH3	3	9.9		765828 ○
JRPSFT1213UNC25OH3	1/2-13UNC	85	23	48	9	7	OH3	3	10.8		765829 ●
JRPSFT1220UNF25OH3	1/2-20UNF	85	23	48	9	7	OH3	3	11.5		765830 ○
JRPSFT91612UNC25OH2	9/16-12UNC	90	25	48	10.5	8	OH2	3	12.2		765831 ○
JRPSFT91618UNF25OH2	9/16-18UNF	90	17	48	10.5	8	OH2	3	12.9		765832 ○
JRPSFT5811UNC25OH3	5/8-11UNC	95	28	52	12	9	OH3	3	13.6		765833 ●
JRPSFT5818UNF25OH2	5/8-18UNF	95	17	52	12	9	OH2	3	14.5		765834 ○

★ Vc: 3-10m/min

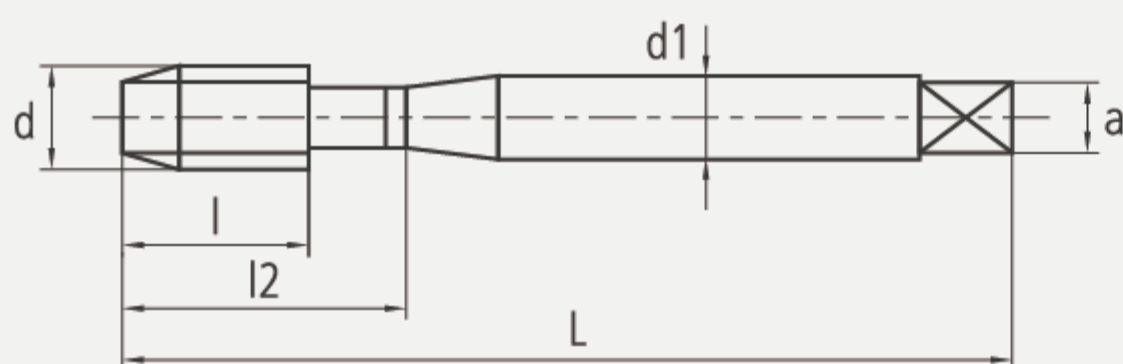
★ Steel, Alloy Steel and Cast Iron; HRC 20-32

P	M	K	N	S	H
◎	-	○	-	-	-

UNC/UNF R Line

JIS Length
JIS Shank

JR-P-POT
For Unstable Steel Machining
Conditions



Norm

Coating



HSSE



HSSE



JIS

TiN

B/5P

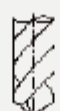
Art.Stock

JIS

TiN

B/5P

Art.Stock

Product Code	Size	L	l	L2	d1	a	Limit	Flute		Art.Stock	Art.Stock
JRPPOT0440UNC50OH2	No.4-40UNC	44	15	21	3	2.5	OH2	2	2.3	775811 ●	
JRPPOT0448UNF50OH2	No.4-48UNF	44	15	21	3	2.5	OH2	2	2.4	775812 ○	
JRPPOT0632UNC50OH2	No.6-32UNC	48	13	21	4	3.2	OH2	3	2.8	775813 ●	
JRPPOT0640UNF50OH2	No.6-40UNF	48	13	21	4	3.2	OH2	3	2.9	775814 ○	
JRPPOT0832UNC50OH2	No.8-32UNC	52	13	21	5	4	OH2	3	3.4	775815 ●	
JRPPOT0836UNF50OH2	No.8-36UNF	52	13	21	5	4	OH2	3	3.5	775816 ○	
JRPPOT1024UNC50OH2	No.10-24UNC	60	16	24	5.5	4.5	OH2	3	3.9	775817 ●	
JRPPOT1032UNF50OH2	No.10-32UNF	60	16	24	5.5	4.5	OH2	3	4.1	775818 ○	
JRPPOT1224UNC50OH2	No.12-24UNC	60	17	25	5.5	4.5	OH2	3	4.5	775819 ○	
JRPPOT1228UNF50OH2	No.12-28UNF	60	17	25	5.5	4.5	OH2	3	4.6	775820 ○	
JRPPOT1420UNC50OH3	1/4-20UNC	62	19	29	6	4.5	OH3	3	5.1	775821 ●	
JRPPOT1428UNF50OH2	1/4-28UNF	62	19	29	6	4.5	OH2	3	5.5	775822 ○	
JRPPOT51618UNC50OH3	5/16-18UNC	70	22	37	6.1	5	OH3	3	6.6	775823 ●	
JRPPOT51624UNF50OH3	5/16-24UNF	70	22	37	6.1	5	OH3	3	6.9	775824 ○	
JRPPOT3816UNF50OH3	3/8-16UNC	75	24	41	7	5.5	OH3	3	8		775825 ●
JRPPOT3824UNF50OH3	3/8-24UNF	75	24	41	7	5.5	OH3	3	8.5		775826 ○
JRPPOT71614UNC50OH3	7/16-14UNC	80	25	48	8	6	OH3	3	9.4		775827 ○
JRPPOT71620UNF50OH3	7/16-20UNF	80	25	48	8	6	OH3	3	9.9		775828 ○
JRPPOT1213UNC50OH3	1/2-13UNC	85	29	48	9	7	OH3	3	10.8		775829 ●
JRPPOT1220UNF50OH3	1/2-20UNF	85	29	48	9	7	OH3	3	11.5		775830 ○
JRPPOT91612UNC50OH3	9/16-12UNC	90	30	48	10.5	8	OH3	3	12.2		775831 ○
JRPPOT91618UNF50OH3	9/16-18UNF	90	30	48	10.5	8	OH3	3	12.9		775832 ○
JRPPOT5811UNC50OH3	5/8-11UNC	95	32	52	12	9	OH3	3	13.6		775833 ●
JRPPOT5818UNF50OH3	5/8-18UNF	95	32	52	12	9	OH3	3	14.5		775834 ○

★ Vc: 3-10m/min

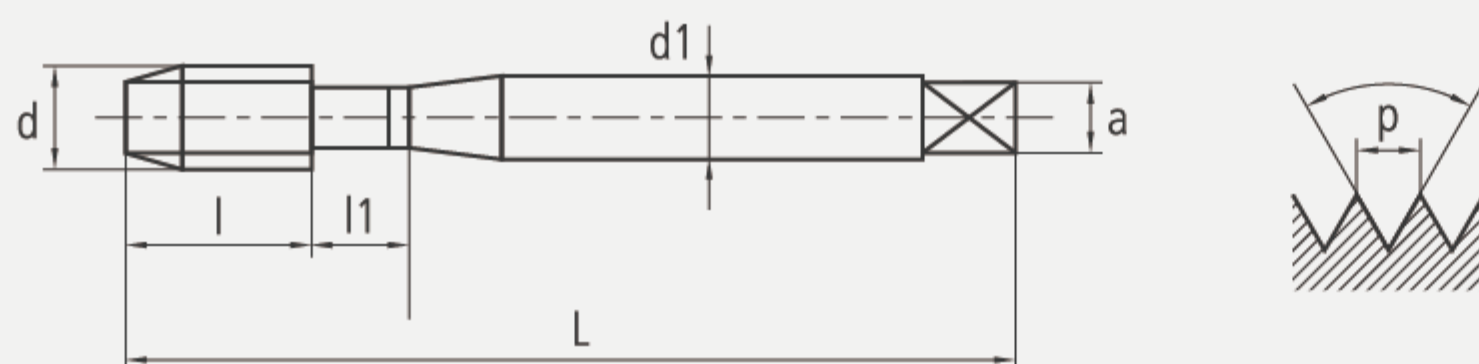
★ Steel, Alloy Steel and Cast Iron; HRC 20-32

P	M	K	N	S	H
◎	-	○	-	-	-

UNC/UNF P Line

JIS Length
JIS Shank

JP-P-SFT
High Performance for Steel



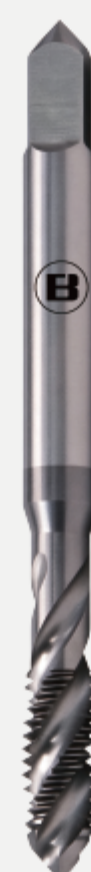
Norm

Coating



Product Code	Size	L	l	l1	d1	a	Limit	Flute	
JPPSFT0440UNC25OH2	No.4-40UNC	45	6	10	3	2.5	OH2	3	2.3
JPPSFT0632UNC25OH2	No.6-32UNC	50	8	12	4	3.2	OH2	3	2.8
JPPSFT0640UNF25OH2	No.6-40UNF	50	8	12	4	3.2	OH2	3	2.9
JPPSFT0832UNC25OH2	No.8-32UNC	57	8	13.5	5	4	OH2	3	3.4
JPPSFT0836UNF25OH2	No.8-36UNF	57	8	13.5	5	4	OH2	3	3.5
JPPSFT1024UNC25OH2	No.10-24UNC	66	10	16	5.5	4.5	OH2	3	3.9
JPPSFT1032UNF25OH2	No.10-32UNF	66	10	16	5.5	4.5	OH2	3	4.1
JPPSFT1224UNC25OH2	No.12-24UNC	66	10	16	5.5	4.5	OH2	3	4.5
JPPSFT1228UNF25OH2	No.12-28UNF	66	10	16	5.5	4.5	OH2	3	4.6
JPPSFT1420UNC25OH2	1/4-20UNC	69	12	17	6	4.5	OH2	3	5.1
JPPSFT1428UNF25OH2	1/4-28UNF	69	12	17	6	4.5	OH2	3	5.5
JPPSFT51618UNC25OH3	5/16-18UNC	70	15	15	6.1	5	OH3	3	6.6
JPPSFT51624UNF25OH3	5/16-24UNF	70	11	19	6.1	5	OH3	3	6.9
JPPSFT3816UNC25OH3	3/8-16UNC	75	16	27	7	5.5	OH3	3	8
JPPSFT3824UNF25OH3	3/8-24UNF	75	11	32	7	5.5	OH3	3	8.5
JPPSFT71614UNC25OH4	7/16-14UNC	80	20	20	8	6	OH4	3	9.4
JPPSFT71620UNF25OH3	7/16-20UNF	80	13	27	8	6	OH3	3	9.9
JPPSFT1213UNC25OH4	1/2-13UNC	85	21	27	9	7	OH4	3	10.8
JPPSFT1220UNF25OH3	1/2-20UNF	85	13	35	9	7	OH3	3	11.5
JPPSFT91612UNC25OH4	9/16-12UNC	90	21	29	10.5	8	OH4	4	12.2
JPPSFT91618UNF25OH3	9/16-18UNF	90	15	35	10.5	8	OH3	4	12.9
JPPSFT5811UNC25OH4	5/8-11UNC	95	23	25	12	9	OH4	4	13.6
JPPSFT5818UNF25OH3	5/8-18UNF	95	23	25	12	9	OH3	4	14.5

HSS-PM



HSS-PM



JIS

TiCN+Al

C/2.5P

Art.Stock

685868 ●

685870 ●

685871 ●

685872 ●

685873 ○

685820 ●

685874 ○

685875 ●

685876 ○

685818 ●

685877 ●

JIS

TiCN+Al

C/2.5P

Art.Stock

685819 ●

685878 ●

685817 ●

685861 ●

685879 ○

685880 ○

685881 ●

685882 ●

685883 ○

685884 ○

685885 ●

685886 ●

★ TiCN-AL provides excellent wear resistance.

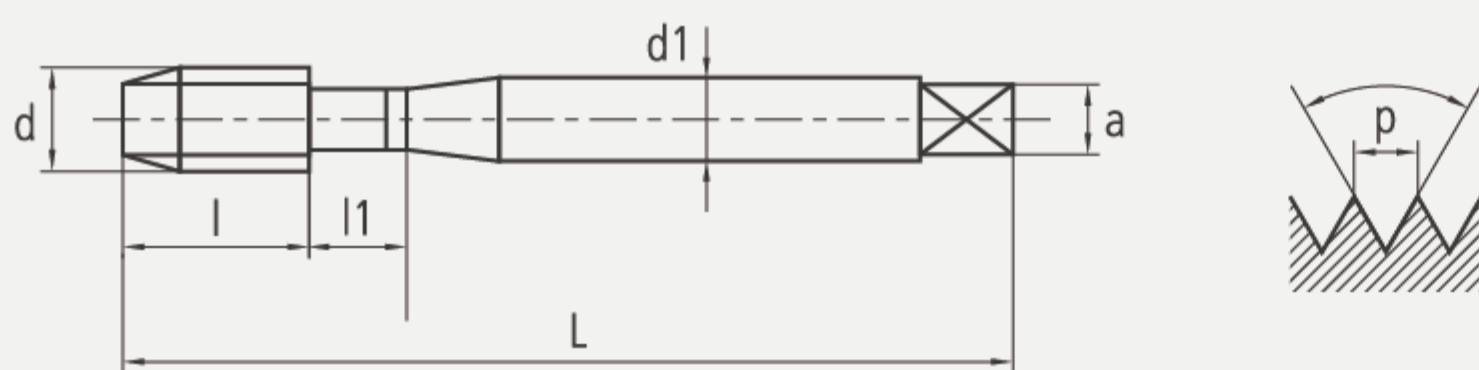
★ For Carbon Steel and Alloy Steel with a hardness of below 30 HRC.

P	M	K	N	S	H
◎	-	-	-	-	-

UNC/UNF P Line

JP-P-POT
High Performance for steel

JIS Length
JIS Shank



HSS-PM



HSS-PM



HSS-PM



Norm

JIS

JIS

JIS

Coating

TiCN+Al

TiCN+Al

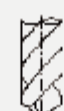
TiCN+Al



B/5P

B/5P

B/5P

Product Code	Size	L	l	L1	d1	a	Limit	Flute		Order NO.	Art.Stock	Art.Stock
JPPPOT0440UNC50OH2	No.4-40UNC	45	13	-	2.5	3	OH2	2	2.3	675865 ●		
JPPPOT0632UNC50OH2	No.6-32UNC	50	13	7	4	3.2	OH2	3	2.8		675867 ●	
JPPPOT0640UNF50OH2	No.6-40UNF	50	8	12	4	3.2	OH2	3	2.9		675868 ○	
JPPPOT0832UNC50OH2	No.8-32UNC	57	13.5	8	5	4	OH2	3	3.4		675869 ●	
JPPPOT0836UNF50OH2	No.8-36UNF	57	8	13.5	5	4	OH2	3	3.5		675870 ○	
JPPPOT1024UNC50OH2	No.10-24UNC	66	16.5	9.5	5.5	4.5	OH2	3	3.9		675871 ●	
JPPPOT1032UNF50OH2	No.10-32UNF	66	16.5	9.5	5.5	4.5	OH2	3	4.1		675872 ●	
JPPPOT1224UNC50OH2	No.12-24UNC	66	16.5	9.5	5.5	4.5	OH2	3	4.5		675873 ○	
JPPPOT1228UNF50OH2	No.12-28UNF	66	16.5	9.5	5.5	4.5	OH2	3	4.6		675874 ○	
JPPPOT1420UNC50OH2	1/4-20UNC	69	19.5	9.5	6	4.5	OH2	3	5.1		675875 ●	
JPPPOT1428UNF50OH2	1/4-28UNF	69	19.5	9.5	6	4.5	OH2	3	5.5		675876 ●	
JPPPOT51618UNC50OH3	5/16-18UNC	70	23	15	6.1	5	OH3	3	6.6			675877 ●
JPPPOT51624UNF50OH3	5/16-24UNF	70	23	15	6.1	5	OH3	3	6.9			675878 ●
JPPPOT3816UNC50OH3	3/8-16UNC	75	25	18	7	5.5	OH3	3	8			675879 ●
JPPPOT3824UNF50OH3	3/8-24UNF	75	25	18	7	5.5	OH3	3	8.5			675880 ●
JPPPOT71614UNC50OH4	7/16-14UNC	80	29	16	8	6	OH4	3	9.4			675881 ○
JPPPOT71620UNF50OH3	7/16-20UNF	80	29	16	8	6	OH3	3	9.9			675813 ○
JPPPOT1213UNC50OH4	1/2-13UNC	85	30	18	9	7	OH4	3	10.8			675882 ●
JPPPOT1220UNF50OH3	1/2-20UNF	85	30	18	9	7	OH3	3	11.5			675816 ●
JPPPOT91612UNC50OH4	9/16-12UNC	90	30	20	10.5	8	OH4	3	12.2			675883 ○
JPPPOT91618UNF50OH3	9/16-18UNF	90	30	20	10.5	8	OH3	3	12.9			675884 ○
JPPPOT5811UNC50OH4	5/8-11UNC	95	23	25	12	9	OH4	3	13.6			675885 ●
JPPPOT5818UNF50OH3	5/8-18UNF	95	23	25	12	9	OH3	3	14.5			675886 ●

★ TiCN-AL provides excellent wear resistance.

★ For Carbon Steel and Alloy Steel with a hardness of below 30 HRC.

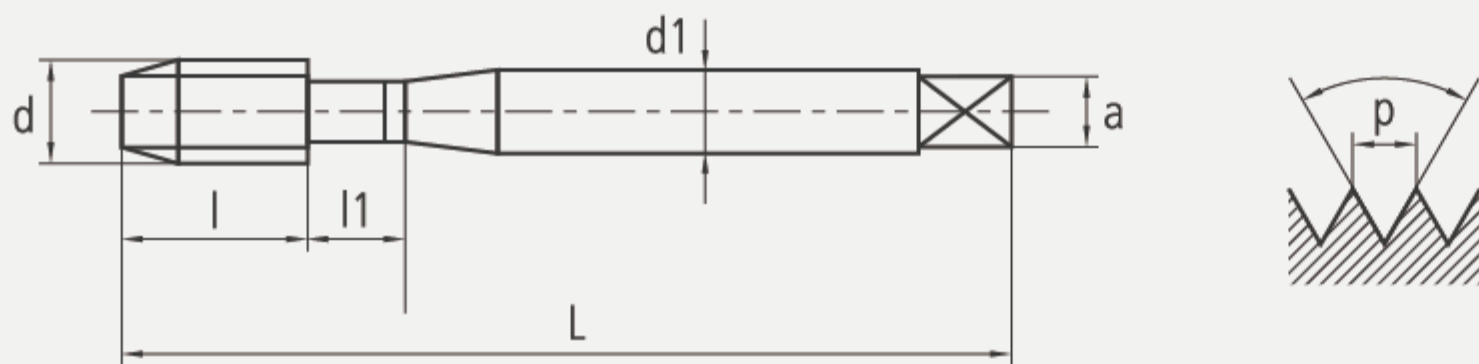
P	M	K	N	S	H
◎	-	-	-	-	-

UNC/UNF P Line JP-P-NRT High Performance for steel										HSS-PM	HSS-PM	HSS-PM	HSS-PM
JIS Length JIS Shank 2P: for blind hole 4P: for through hole													
Norm										JIS	JIS	JIS	JIS
Coating										TiCN+Al	TiCN+Al	TiCN+Al	TiCN+Al
										B/4P	C/2P	B/4P	C/2P
Product Code	Size	L	l	l1	d1	a	Limit	Flute		Art.Stock	Art.Stock	Art.Stock	Art.Stock
JPPNRT0080UNF40RH4	No.0-80UNF	37	6.5	-	3	2.5	RH4	-	1.38-1.41	615872 ○			
JPPNRT0080UNF20RH4	No.0-80UNF	35.5	6.5	-	3	2.5	RH4	-	1.38-1.41		615873 ●		
JPPNRT0164UNC40RH4	No.1-64UNC	37	9	-	3	2.5	RH4	-	1.66-1.70	615874 ●			
JPPNRT0164UNC20RH4	No.1-64UNC	35.5	9	-	3	2.5	RH4	-	1.66-1.70		615875 ●		
JPPNRT0172UNF40RH4	No.1-72UNF	37	9	-	3	2.5	RH4	-	1.68-1.72	615876 ○			
JPPNRT0172UNF20RH4	No.1-72UNF	35.5	9	-	3	2.5	RH4	-	1.68-1.72		615877 ●		
JPPNRT0256UNC40RH4	No.2-56UNC	45	12	-	3	2.5	RH4	-	1.96-2.02	615878 ●			
JPPNRT0256UNC20RH4	No.2-56UNC	43.5	12	-	3	2.5	RH4	-	1.96-2.02		615879 ●		
JPPNRT0348UNC40RH4	No.3-48UNC	45	15	-	3	2.5	RH4	-	2.25-2.32	615880 ○			
JPPNRT0348UNC20RH4	No.3-48UNC	43.5	15	-	3	2.5	RH4	-	2.25-2.32		615881 ●		
JPPNRT0440UNC40RH4	No.4-40UNC	45	15	-	3	2.5	RH4	-	2.52-2.60	615882 ●			
JPPNRT0440UNC20RH4	No.4-40UNC	43.5	15	-	3	2.5	RH4	-	2.52-2.60		615883 ●		
JPPNRT0540UNC40RH4	No.5-40UNC	50	15	-	4	3.2	RH4	-	2.86-2.93	615886 ●			
JPPNRT0540UNC20RH4	No.5-40UNC	48	15	-	4	3.2	RH4	-	2.86-2.93		615887 ●		
JPPNRT0632UNC40RH7	No.6-32UNC	50	16	-	4	3.2	RH7	-	3.09-3.17	615888 ●			
JPPNRT0632UNC20RH7	No.6-32UNC	48	16	-	4	3.2	RH7	-	3.09-3.17		615889 ●		
JPPNRT0832UNC40RH7	No.8-32UNC	57	18	-	5	4	RH7	-	3.75-3.83	615892 ●			
JPPNRT0832UNC20RH7	No.8-32UNC	54.5	18	-	5	4	RH7	-	3.75-3.83		615893 ●		
JPPNRT1024UNC40RH7	No.10-24UNC	66	20	-	5.5	4.5	RH7	-	4.26-4.35	615896 ●			
JPPNRT1024UNC20RH7	No.10-24UNC	63.5	20	-	5.5	4.5	RH7	-	4.26-4.35		615897 ●		
JPPNRT1032UNF40RH7	No.10-32UNF	66	20	-	5.5	4.5	RH7	-	4.41-4.48	615898 ○			
JPPNRT1032UNF20RH7	No.10-32UNF	63.5	20	-	5.5	4.5	RH7	-	4.41-4.48		615899 ○		
JPPNRT1224UNC40RH7	No.12-24UNC	66	23	-	5.5	4.5	RH7	-	4.92-5.01	615900 ●			
JPPNRT1224UNC20RH7	No.12-24UNC	63.5	23	-	5.5	4.5	RH7	-	4.92-5.01		615901 ●		
JPPNRT1228UNF40RH7	No.12-28UNF	66	23	-	5.5	4.5	RH7	-	5.00-5.08	615902 ○			
JPPNRT1228UNF20RH7	No.12-28UNF	63.5	23	-	5.5	4.5	RH7	-	5.00-5.08		615903 ●		
JPPNRT1420UNC40RH7	1/4-20UNC	62	27	-	6	4.5	RH7	2	5.66-5.76			615904 ●	
JPPNRT1420UNC20RH7	1/4-20UNC	62	27	-	6	4.5	RH7	2	5.66-5.76				615905 ●
JPPNRT1428UNF40RH7	1/4-28UNF	62	27	-	6	4.5	RH7	2	5.86-5.93			615906 ●	
JPPNRT1428UNF20RH7	1/4-28UNF	62	27	-	6	4.5	RH7	2	5.86-5.93				615856 ●
JPPNRT51618UNC40RH8	5/16-18UNC	70	15	15	6.1	5	RH8	3	7.18-7.29			615907 ●	
JPPNRT51618UNC20RH8	5/16-18UNC	70	15	15	6.1	5	RH8	3	7.18-7.29				615908 ●
JPPNRT51624UNF40RH7	5/16-24UNF	70	11	19	6.1	5	RH7	3	7.38-7.46			615909 ●	

UNC/UNF P Line

JP-P-NRT
High Performance for steel

JIS Length
JIS Shank

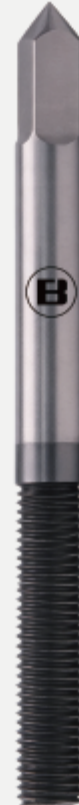


2P: for blind hole
4P: for through hole

HSS-PM



HSS-PM



HSS-PM



HSS-PM



Norm

JIS

JIS

JIS

JIS

Coating

TiCN+Al

TiCN+Al

TiCN+Al

TiCN+Al



B/4P

C/2P

B/4P

C/2P

Product Code	Size	L	l	L1	d1	a	Limit	Flute		Art.Stock	Art.Stock	Art.Stock	Art.Stock
JPPNRT51624UNF20RH7	5/16-24UNF	70	11	19	6.1	5	RH7	3	7.38-7.46				615910●
JPPNRT3816UNC40RH8	3/8-16UNC	75	16	27	7	5.5	RH8	6	8.66-8.78			615911●	
JPPNRT3816UNC20RH8	3/8-16UNC	75	16	27	7	5.5	RH8	6	8.66-8.78				615912●
JPPNRT3824UNF40RH7	3/8-24UNF	75	11	32	7	5.5	RH7	6	8.96-9.05			615913●	
JPPNRT3824UNF20RH7	3/8-24UNF	75	11	32	7	5.5	RH7	6	8.96-9.05				615914●
JPPNRT71614UNC40RH8	7/16-14UNC	80	20	20	8	6	RH8	6	10.11-10.25			615915○	
JPPNRT71614UNC20RH8	7/16-14UNC	80	20	20	8	6	RH8	6	10.11-10.25				615916○
JPPNRT71620UNF40RH7	7/16-20UNF	80	13	27	8	6	RH7	6	10.44-10.54			615917●	
JPPNRT71620UNF20RH7	7/16-20UNF	80	13	27	8	6	RH7	6	10.44-10.54				615918●
JPPNRT1213UNC40RH8	1/2-13UNC	85	21	27	9	7	RH8	6	10.62-10.78			615919●	
JPPNRT1213UNC20RH8	1/2-13UNC	85	21	27	9	7	RH8	6	10.62-10.78				615920●
JPPNRT1220UNF40RH7	1/2-20UNF	85	13	35	9	7	RH7	6	12.02-12.12			615921●	
JPPNRT1220UNF20RH7	1/2-20UNF	85	13	35	9	7	RH7	6	12.02-12.12				615922●
JPPNRT91612UNC40RH9	9/16-12UNC	90	21	29	10.5	8	RH9	6	13.14-13.27			615923○	
JPPNRT91612UNC20RH9	9/16-12UNC	90	21	29	10.5	8	RH9	6	13.14-13.27				615924○
JPPNRT91618UNF40RH8	9/16-18UNF	90	15	35	10.5	8	RH8	6	13.55-13.66			615925○	
JPPNRT91618UNF20RH8	9/16-18UNF	90	15	35	10.5	8	RH8	6	13.55-13.66				615926○
JPPNRT5811UNC40RH10	5/8-11UNC	95	23	25	12	9	RH10	6	14.62-14.76			615927●	
JPPNRT5811UNC20RH10	5/8-11UNC	95	23	25	12	9	RH10	6	14.62-14.76				615928●
JPPNRT5818UNF40RH8	5/8-18UNF	95	23	25	12	9	RH8	6	15.14-15.25			615929●	
JPPNRT5818UNF20RH8	5/8-18UNF	95	23	25	12	9	RH8	6	15.14-15.25				615930●

★ TiCN-AL provides excellent wear resistance.
★ For Carbon Steel and Alloy Steel with a hardness of below 30 HRC.

P	M	K	N	S	H
◎	-	-	-	-	-

Additional Options for JIS UNC/UNF

Special coatings are available for different workpiece materials.

- * JP-M with TiN(Si) coating for stainless steel
- * JP-N with DLC coating for non-ferrous alloys
- * JP-G with TiCN coating for general-purpose applications

Recommended Tapping Speeds & Calculation Formulas

Recommended Tapping Speed (m/min)

Series Code	Low Carbon Steel Medium Carbon Steel	High Carbon Steel Alloy Steel	Quenched and Tempered Steel (HRC 25–30)	Stainless Steel	Aluminum Alloy
DE-G-SFT	8-15	6-12	5-10	-	-
DE-G-POT	8-20	8-15	5-10	-	-
JR-P-SFT	5-10	3-8	3-8	-	-
JR-P-POT	5-15	3-10	3-10	-	-
JP-P-SFT	5-15	5-10	5-10	-	-
JP-P-POT	5-15	5-10	5-10	-	-
JP-P-NRT	5-15	5-10	5-10	-	-
JP-M-SFT	-	-	-	5-10	-
JP-M-POT	-	-	-	5-10	-
JP-M-NRT	-	-	-	5-10	-
JP-N-SFT	-	-	-	-	20-40
JP-N-POT	-	-	-	-	20-40
JP-N-NRT	-	-	-	-	20-40

Note:

- * Many factors affect tapping parameters, including machine stability, fixturing, workpiece material, hole quality, and cutting fluid.
- * These values are general selection guidelines and should be adjusted based on specific application conditions.

Calculation Formulas for Cutting Conditions

Cutting Speed Vc (m/min)	Spindle Speed n (r/min)	Feed Rate Vf (mm/min)
$Vc = \frac{\pi \times d \times n}{1,000}$	$n = \frac{1,000 \times Vc}{\pi \times d}$	$Vf = n \times P$
Vc: Cutting Speed (m/min)	π : Pi (≈ 3.14)	Vf: Feed Rate (mm/min)
n: Spindle Speed (r/min)	d: Tap Diameter (mm)	P: Pitch (mm)



SALES



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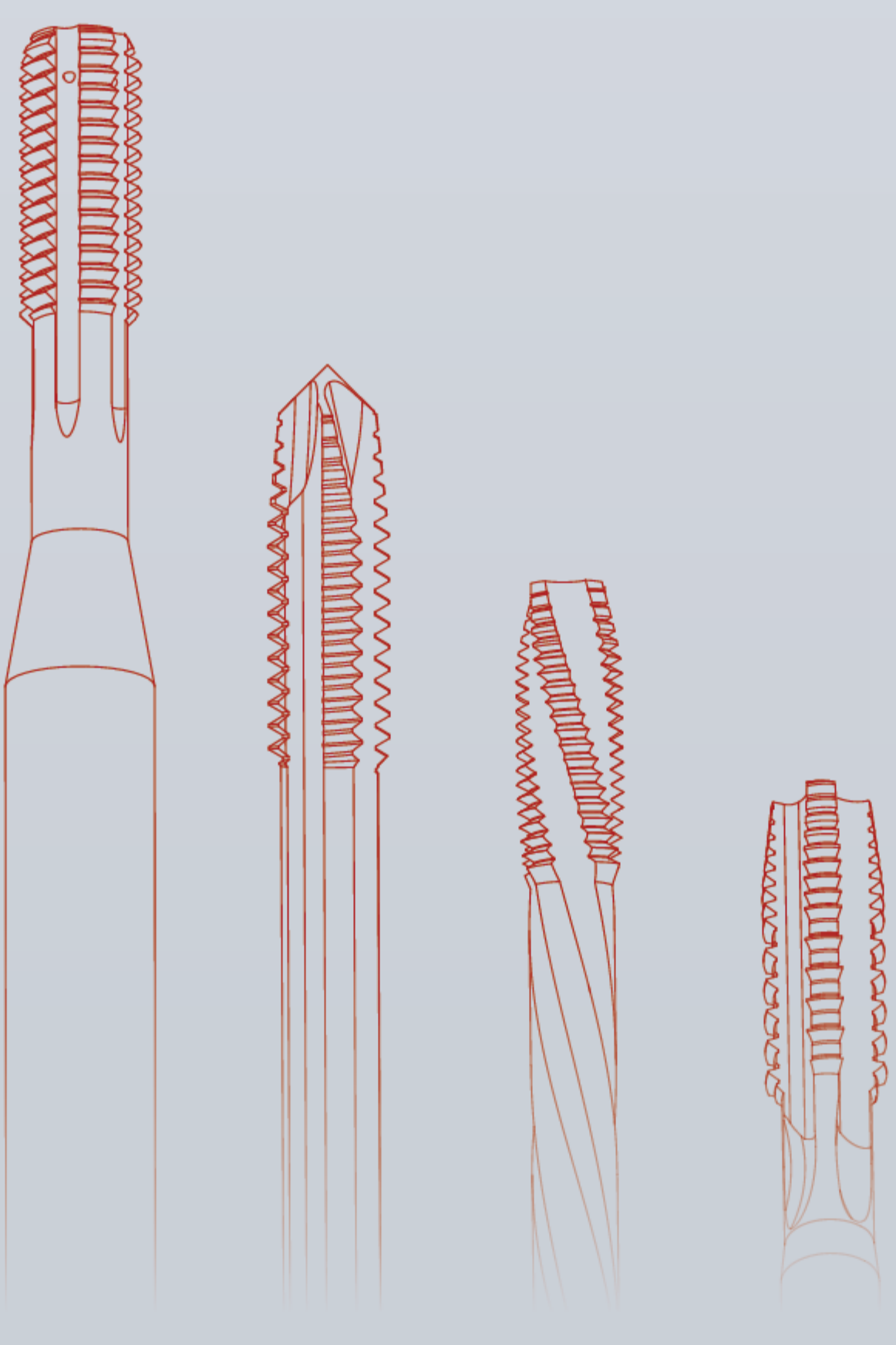
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