



S = Short Formdrill, leaves top collar (thin materials)



SF = Short/Flat Formdrill, removes top collar for Flat surface (thin materials)

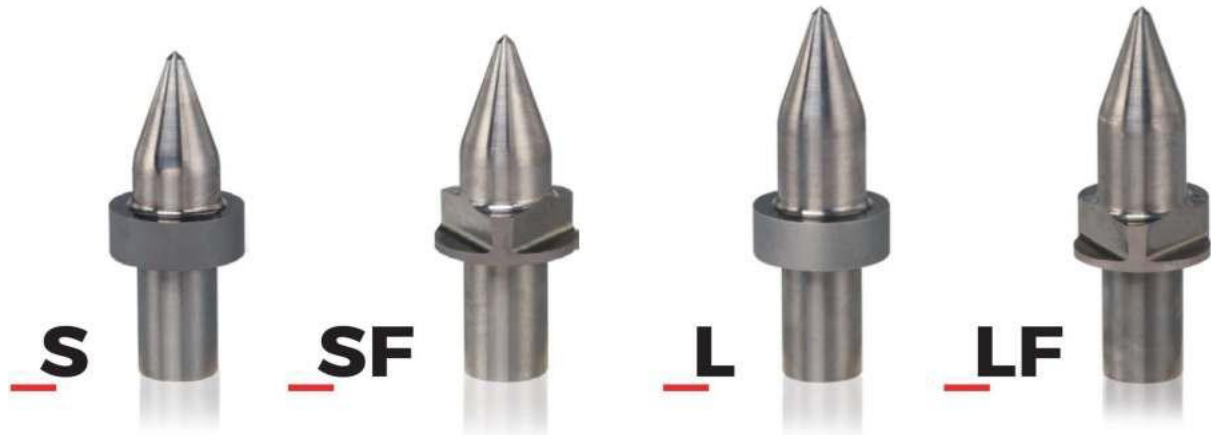


L = Long Formdrill, leaves top collar (thicker materials)



LF = Long/Flat Formdrill, removes top collar for Flat surface (thicker materials)

Available from
ROYAL ENGINEERING 4.0
 International, Inc. Attachment Solutions
 Engineering Services
 Industry 4.0 Solutions



Note: All Parameters and drill sizes are for mild steel. Other materials may have variations. Please consult factory for more information

Metric Coarse Threads															
Thread	# Collet	Material thickness		Speed Rpm.	Motor Power (hp.)	Short		Short/Flat		Long		Long/Flat		Formtap	
		Short	Long			SKU	Price	SKU	Price	SKU	Price	SKU	Price	SKU	Price
M3X0.5	6	0.060	0.100	3,000	1	FD0270S	\$66.15	FD0270SF	\$86.80	FD0270L	\$66.15	FD0270LF	\$89.60	FTM3	\$21.38
M4X0.7	6	0.060	0.100	3,000	1	FD0370S	\$66.15	FD0370SF	\$86.80	FD0370L	\$68.85	FD0370LF	\$89.60	FTM4	\$19.01
M5X0.8	8	0.080	0.100	2,800	1-1/4	FD0450S	\$70.20	FD0450SF	\$113.40	FD0450L	\$70.20	FD0450LF	\$114.80	FTM5	\$19.01
M6X1.0	8	0.080	0.120	2,800	1-1/2	FD0530S	\$74.25	FD0530SF	\$127.40	FD0530L	\$76.95	FD0530LF	\$130.20	FTM6	\$21.38
M8X1.25	8	0.100	0.160	2,500	2	FD0730S	\$89.10	FD0730SF	\$147.00	FD0730L	\$94.50	FD0730LF	\$154.00	FTM8	\$24.95
M10X1.5	10	0.120	0.200	2,200	2-1/2	FD0920S	\$110.70	FD0920SF	\$168.00	FD0920L	\$114.75	FD0920LF	\$169.40	FTM10	\$26.14
M12X1.75	12	0.120	0.240	2,000	2-1/2	FD1090S	\$120.15	FD1090SF	\$176.40	FD1090L	\$125.55	FD1090LF	\$180.60	FTM12	\$42.77
M14X2.0	14	0.120	0.280	1,800	3	FD1300S	\$162.00	FD1300SF	\$205.80	FD1300L	\$170.10	FD1300LF	\$214.20	FTM14	\$80.19
M16X2.0	16	0.140	0.320	1,500	3-1/2	FD1480S	\$176.85	FD1480SF	\$217.00	FD1480L	\$186.30	FD1480LF	\$236.60	FTM16	\$71.28
M18X2.5	16	0.140	0.320	1,500	4	FD1670S	\$216.00	FD1670SF	\$274.40	FD1670L	\$225.45	FD1670LF	\$285.60	FTM18	P.o.r.
M20x2.5	18	0.160	0.400	1,100	4	FD1870S	\$248.40	FD1870SF	\$315.00	FD1870L	\$256.50	FD1870LF	\$324.80	FTM20	P.o.r.



Thermal drilling system

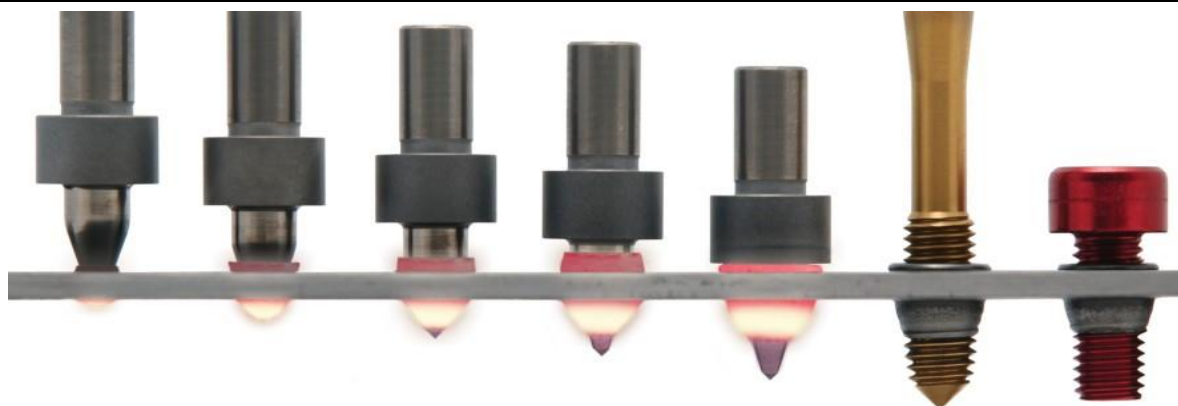
Price List 08/16/2021
 m.stovall@royal4-0.com
 Tel (586) 216-0825

Metric Fine Threads Form your own inserts

Thread	# Collet	Material thickness		Speed Rpm.	Motor Power (hp.)	Short		Short/Flat		Long		Long/Flat		Formtap	
		Short	Long			SKU	Price	SKU	Price	SKU	Price	SKU	Price	SKU	Price
M4X0.5	6	0.060	0.100	3,000	1	FD0380S	\$66.15	FD0380SF	\$86.80	FD0380L	\$68.85	FD0380LF	\$89.60	FTM4X0.5	P.o.r.
M5X0.5	8	0.080	0.100	2,800	1-1/4	FD0480S	\$70.20	FD0480SF	\$113.40	FD0480L	\$70.20	FD0480LF	\$114.80	FTM5X0.5	P.o.r.
M6X0.75	8	0.080	0.120	2,800	1-1/2	FD0560S	\$74.25	FD0560SF	\$127.40	FD0560L	\$76.95	FD0560LF	\$130.20	FTM6X0.75	P.o.r.
M6X0.5	8	0.080	0.120	2,800	1-1/2	FD0580S	\$74.25	FD0580SF	\$127.40	FD0580L	\$76.95	FD0580LF	\$130.20	FTM6X0.5	P.o.r.
M8X1.0	8	0.100	0.160	2,500	2	FD0750S	\$89.10	FD0750SF	\$147.00	FD0750L	\$94.50	FD0750LF	\$154.00	FTM8X1.0	P.o.r.
M8X0.75	8	0.100	0.160	2,500	2	FD0760S	\$89.10	FD0760SF	\$147.00	FD0760L	\$94.50	FD0760LF	\$154.00	FTM8X0.75	P.o.r.
M10X1.25	10	0.120	0.200	2,200	2-1/2	FD0930S	\$110.70	FD0930SF	\$168.00	FD0930L	\$114.75	FD0930LF	\$169.40	FTM10X1.25	P.o.r.
M10X1.0	10	0.120	0.200	2,200	2-1/2	FD0950S	\$110.70	FD0950SF	\$168.00	FD0950L	\$114.75	FD0950LF	\$169.40	FTM10X1.0	\$26.14
M12X1.5	12	0.120	0.240	2,000	2-1/2	FD1120S	\$133.65	FD1120SF	\$186.20	FD1120L	\$139.05	FD1120LF	\$193.20	FTM12X1.5	\$75.62
M12X1.0	12	0.120	0.240	2,000	2-1/2	FD1150S	\$133.65	FD1150SF	\$186.20	FD1150L	\$139.05	FD1150LF	\$193.20	FTM12X1.0	P.o.r.
M16X1.5	16	0.140	0.320	1,500	3-1/2	FD1520S	\$197.10	FD1520SF	\$249.20	FD1520L	\$205.20	FD1520LF	\$257.60	FTM16X1.5	\$92.76
M16X1.0	16	0.140	0.320	1,500	3-1/2	FD1550S	\$197.10	FD1550SF	\$249.20	FD1550L	\$205.20	FD1550LF	\$257.60	FTM16X1.0	P.o.r.
M18X1.5	18	0.160	0.320	1,500	4	FD1710S	\$234.90	FD1710SF	\$298.20	FD1710L	\$241.65	FD1710LF	\$305.20	FTM18X1.5	\$106.20
M20x1.5	18	0.160	0.400	1,100	4	FD1920S	\$265.95	FD1920SF	\$337.40	FD1920L	\$275.40	FD1920LF	\$347.20	FTM20X1.5	P.o.r.
M20x1.0	18	0.160	0.400	1,100	4	FD1950S	\$265.95	FD1950SF	\$337.40	FD1950L	\$275.40	FD1950LF	\$347.20	FTM20X1.0	P.o.r.

Available from
ROYAL ENGINEERING
 International, Inc.

4.0 Attachment Solutions
 Engineering Services
 Industry 4.0 Solutions



NPT Threads (National Pipe Thread)

Thread	# Collet	Suggest Style	Speed Rpm.	Motor Power (hp.)	Standard Short		Special NPT drill		Formtap	
					SKU	Price	SKU	Price	SKU	Price
1/16"-27	8	Short	2,500	2	FD0700S	\$89.10	FD1/16NPT	P.o.r.	FT1/16NPT	\$36.83
1/8"-27	10	Short	2,200	2-1/2	FD0920S	\$110.70	FD1/8NPT	\$153.90	FT1/8NPT	\$40.39
1/4"-18	12	Short	2,000	2-1/2	FD1240S	\$144.45	FD1/4NPT	\$202.50	FT1/4NPT	\$40.39
3/8"-18	16	Special	1,500	3-1/2	FD1590S	\$197.10	FD3/8NPT	\$302.40	FT3/8NPT	\$68.90
1/2"-14	18	Special	1,000	4	FD1990S	\$265.95	FD1/2NPT	\$372.60	FT1/2NPT	\$77.22
3/4"-14	20	Special	800	4-1/2	FD2540S	\$390.15	FD3/4NPT	\$546.75	FT3/4NPT	\$115.24
1"-11.5	25	Special	800	5	FD3140S	\$823.50	FD1/1NPT	\$851.85	FT1/1NPT	\$308.88

UNC Coarse Threads Form your own inserts

Thread	# Collet	Material thickness		Speed Rpm.	Motor Power (hp.)	Short		Short/Flat		Long		Long/Flat		Formtap	
		Short	Long			SKU	Price	SKU	Price	SKU	Price	SKU	Price	SKU	Price
#6-32	6	0.060	0.100	3,000	1	FD0310S	\$66.15	FD0310SF	\$86.80	FD0310L	\$68.85	FD0310LF	\$89.60	FT6UNC	\$13.07
#8-32	6	0.060	0.100	3,000	1	FD0380S	\$66.15	FD0380SF	\$86.80	FD0380L	\$68.85	FD0380LF	\$89.60	FT8UNC	\$13.07
#10-24	8	0.080	0.100	2,800	1-1/4	FD0430S	\$70.20	FD0430SF	\$113.40	FD0430L	\$70.20	FD0430LF	\$114.80	FT10UNC	\$13.07
#12-24	8	0.080	0.120	2,800	1-1/4	FD0490S	\$70.20	FD0490SF	\$113.40	FD0490L	\$70.20	FD0490LF	\$114.80	FT12UNC	\$15.44
1/4"-20	8	0.080	0.120	2,800	1-1/2	FD0570S	\$74.25	FD0570SF	\$127.40	FD0570L	\$76.95	FD0570LF	\$130.20	FT1/4UNC	\$16.48
5/16"-18	8	0.100	0.160	2,500	2	FD0720S	\$89.10	FD0720SF	\$147.00	FD0720L	\$94.50	FD0720LF	\$154.00	FT5/16UNC	\$17.82
3/8"-16	10	0.100	0.180	2,200	2-1/2	FD0870S	\$99.90	FD0870SF	\$158.20	FD0870L	\$105.30	FD0870LF	\$163.80	FT3/8UNC	\$19.01
7/16"-14	12	0.120	0.200	2,000	2-1/2	FD1020S	\$120.15	FD1020SF	\$176.40	FD1020L	\$125.55	FD1020LF	\$180.60	FT7/16UNC	\$29.70
1/2"-13	12	0.120	0.240	1,800	2-1/2	FD1170S	\$133.65	FD1170SF	\$186.20	FD1170L	\$139.05	FD1170LF	\$193.20	FT1/2UNC	\$33.26
9/16"-12	14	0.120	0.240	1,800	2-1/2	FD1320S	\$162.00	FD1320SF	\$205.80	FD1320L	\$170.10	FD1320LF	\$214.20	FT9/16UNC	\$49.90
5/8"-11	14	0.140	0.320	1,500	3-1/2	FD1470S	\$176.85	FD1470SF	\$217.00	FD1470L	\$186.30	FD1470LF	\$236.60	FT5/8UNC	\$52.27
3/4"10	18	0.140	0.400	1,200	4	FD1780S	\$234.90	FD1780SF	\$298.20	FD1780L	\$241.65	FD1780LF	\$305.20	FT3/4UNC	\$65.34



UNF Fine Threads

Thread	# Collet	Material thickness		Speed Rpm.	Motor Power (hp.)	Short		Short/Flat		Long		Long/Flat		Formtap	
		Short	Long			SKU	Price	SKU	Price	SKU	Price	SKU	Price	SKU	Price
#6-40	6	0.060	0.100	3,000	1	FD0320S	\$66.15	FD0320SF	\$86.80	FD0320L	\$68.85	FD0320LF	\$89.60	FT6UNF	\$13.07
#8-36	6	0.060	0.100	3,000	1	FD0390S	\$66.15	FD0390SF	\$86.80	FD0390L	\$68.85	FD0390LF	\$89.60	FT8UNF	\$13.07
#10-32	8	0.080	0.100	2,800	1-1/4	FD0440S	\$70.20	FD0440SF	\$113.40	FD0440L	\$70.20	FD0440LF	\$114.80	FT10UNF	\$13.07
#12-28	8	0.080	0.120	2,800	1-1/4	FD0500S	\$74.25	FD0500SF	\$127.40	FD0500L	\$76.95	FD0500LF	\$130.20	FT12UNF	\$15.44
1/4"-28	8	0.080	0.120	2,800	1-1/2	FD0590S	\$74.25	FD0590SF	\$127.40	FD0590L	\$76.95	FD0590LF	\$130.20	FT1/4UNF	\$15.44
5/16"-24	8	0.100	0.160	2,500	2	FD0740S	\$89.10	FD0740SF	\$147.00	FD0740L	\$94.50	FD0740LF	\$154.00	FT5/16UNF	\$17.82
3/8"-24	10	0.100	0.180	2,200	2-1/2	FD0900S	\$110.70	FD0900SF	\$168.00	FD0900L	\$114.75	FD0900LF	\$169.40	FT3/8UNF	\$19.01
7/16"-20	12	0.120	0.200	2,000	2-1/2	FD1040S	\$120.15	FD1040SF	\$176.40	FD1040L	\$125.55	FD1040LF	\$180.60	FT7/16UNF	\$29.70
1/2"-20	12	0.120	0.240	1,800	2-1/2	FD1210S	\$144.45	FD1210SF	\$193.20	FD1210L	\$148.50	FD1210LF	\$196.00	FT1/2UNF	\$33.26
9/16"-18	14	0.120	0.240	1,800	2-1/2	FD1360S	\$162.00	FD1360SF	\$205.80	FD1360L	\$170.10	FD1360LF	\$214.20	FT9/16UNF	\$49.90
5/8"-18	16	0.140	0.320	1,500	3-1/2	FD1520S	\$197.10	FD1520SF	\$249.20	FD1520L	\$205.20	FD1520LF	\$257.60	FT5/8UNF	\$52.27
3/4"16	18	0.140	0.400	1,200	4	FD1830S	\$248.40	FD1830SF	\$315.00	FD1830L	\$256.50	FD1830LF	\$324.80	FT3/4UNF	\$65.34

Tool holders & collets

Form your own inserts



SKU	Description	Formdrill range	Collets	Price
FDMC2	Morse taper #2, with heat sink	2.0mm to 16.9mm	FD430Exx	\$364.00
FDCYL430	Straight shank 20mm, with heat sink	2.0mm to 16.9mm	FD430Exx	\$509.60
FDMC3	Morse taper #3, with heat sink	2.0mm to 25.4mm	FD470Exx	\$585.20
FDCYL470	Straight shank 20mm, with heat sink	2.0mm to 25.4mm	FD470Exx	\$819.00
FDISO30-1/2	ISO30 Holder, with heat sink DIN 2080 or 69871	2.0mm to 16.9mm	FD430Exx	P.o.r.
FDISO40-1/2	ISO40 Holder, with heat sink DIN 2080 or 69871	2.0mm to 25.4mm	FD470Exx	P.o.r.
FDBT30	BT30 Holder, with heat sink	2.0mm to 16.9mm	FD430Exx	\$509.60
FDBT40	BT40 Holder, with heat sink	2.0mm to 25.4mm	FD470Exx	\$618.80
FDCAT30	CAT30 Holder, with heat sink	2.0mm to 16.9mm	FD430Exx	\$509.60
FDCAT40	CAT40 Holder, with heat sink	2.0mm to 25.4mm	FD470Exx	\$618.80
FDHSK63-A/F	HSK63 Holder, with heat sink type A&F available	2.0mm to 16.9mm	FD430Exx	P.o.r.

Collets for Holders range 2.0-16.9		
SKU	Formdrill range	Price
FD430E6	2.0mm to 3.9mm	\$58.80
FD430E8	4.0mm to 7.9mm	\$58.80
FD430E10	8.0mm to 9.9mm	\$58.80
FD430E12	10.0mm to 12.9mm	\$58.80
FD430E14	13.0mm to 14.9mm	\$58.80
FD430E16	15.0mm to 16.9mm	\$58.80
FD430E16	15.0mm to 16.9mm	\$58.80

Collets for Holders range 2.0-25.4		
SKU	Formdrill range	Price
FD470E6	2.0mm to 3.9mm	\$64.40
FD470E6	2.0mm to 3.9mm	\$64.40
FD470E8	4.0mm to 7.9mm	\$64.40
FD470E10	8.0mm to 9.9mm	\$64.40
FD470E12	10.0mm to 12.9mm	\$64.40
FD470E14	13.0mm to 14.9mm	\$64.40
FD470E16	15.0mm to 16.9mm	\$64.40
FD470E18	17.0mm to 19.9mm	\$64.40
FD470E20	20.0mm to 25.4mm	\$64.40

Compounds & lubricants

SKU	Description	Content	Price
FDKSO	Paste lubricant Formdrill in steel and stainless steel	1.0 kg.	\$56.00
FDKSOF	Fluid lubricant Formdrill in steel and stainless steel	1.0 L.	\$56.00
FDKSOFSP	Fluid lubricant Formdrill for MSQL Lub units	1.0 kg.	\$64.40
FTOIL	Oil lubricant for Formtaps	1.0 L.	\$40.60



