



Retail Price List CAD

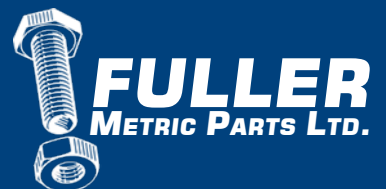
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*Hand Taps

DIN 352

HSS-G

Metric ISO Thread DIN 13



Coarse Thread

TV01 — DIN 352 Taper

TV01 — DIN 352 Plug

TV01 — DIN 352 Bottom

TV01 — DIN 352 Left Hand Taper

TV01 — DIN 352 Left Hand Plug

TV01 — DIN 352 Left Hand Bottom

Size	Pitch	Overall Length	Thread Length	Shank Diameter	Square Across Flats	Standard						Left Hand					
						Taper		Plug		Bottom		Taper		Plug		Bottom	
						Order #	Price	Order #	Price	Order #	Price	Order #	Price	Order #	Price	Order #	Price
M2	0.4	36	8	2.8	2.1	27616-1	11.66	27616-2	11.66	27616-3	11.66						
M2.5	0.45	40	9	2.8	2.1	27622-1	11.69	27622-2	11.69	27622-3	11.69						
M3	0.5	40	11	3.5	2.7	27626-1	6.74	27626-2	6.74	27626-3	6.77	27026-1	10.54	27026-2	10.54	27026-3	10.54
M3.5	0.6	45	11	4.0	3.0	27328-1	10.03	27328-2	10.03	27328-3	10.03						
M4	0.7	45	13	4.5	3.4	27630-1	6.81	27630-2	6.81	27630-3	6.84	27030-1	10.60	27030-2	10.60	27030-3	10.60
M5	0.8	50	16	6.0	4.9	27634-1	7.51	27634-2	7.51	27634-3	7.54	27034-1	12.17			27034-3	12.17
M6	1	50	19	6.0	4.9	27638-1	7.54	27638-2	7.54	27638-3	7.54	27038-1	12.75	27038-2	12.78	27038-3	12.78
M7	1	50	19	6.0	4.9	27340-1	12.20	27340-2	12.20	27340-3	12.20						
M8	1.25	56	22	6.0	4.9	27642-1	8.33	27642-2	8.33	27642-3	8.36	27042-1	13.71	27042-2	13.71	27042-3	13.71
M9	1.25	63	22	7.0	5.5	27644-1	15.65	27644-2	15.65	27644-3	15.65						
M10	1.5	70	24	7.0	5.5	27646-1	11.12	27646-2	11.12	27646-3	11.12	27046-1	17.79	27046-2	17.79	27046-3	17.79
M11	1.5	70	24	8.0	6.2	27648-1	19.97	27648-2	19.97	27648-3	19.97						
M12	1.75	75	29	9.0	7.0	27650-1	15.25	27650-2	15.25	27650-3	15.28			27050-2	24.60	27050-3	24.60
M14	2	80	30	11.0	9.0	27654-1	18.82	27654-2	18.88	27654-3	18.91	27054-1	29.90	27054-2	29.90	27054-3	29.93
M16	2	80	32	12.0	9.0	27658-1	23.00	27658-2	23.06	27658-3	23.03	27058-1	36.07	27058-2	36.10	27058-3	36.10
M18	2.5	95	40	14.0	11.0	27662-1	30.86	27662-2	30.86	27662-3	30.89	27062-1	47.98	27062-2	48.05	27062-3	48.08
M20	2.5	95	40	16.0	12.0	27666-1	35.19	27666-2	35.12	27666-3	35.12	27066-1	54.34	27066-2	54.44	27066-3	54.50
M22	2.5	100	40	18.0	14.5	27670-1	44.12	27670-2	44.22	27670-3	44.32	27070-1	66.19	27070-2	66.32	27070-3	66.58
M24	3	110	50	18.0	14.5	27674-1	51.86	27674-2	51.92	27674-3	51.96	27074-1	81.67	27074-2	81.76	27074-3	82.15
M27	3	110	50	20.0	16.0	27676-1	82.24	27676-2	82.21	27676-3	82.21						
M30	3.5	125	56	22.0	18.0	27678-1	107.80	27678-2	107.87	27678-3	107.87						
M33	3.5	125	56	25.0	20.0	27680-1	141.90	27680-2	141.93	27680-3	141.93						
M36	4	150	63	28.0	22.0	27682-1	174.59	27682-2	174.56	27682-3	174.53						
M39	4	150	63	32.0	24.0	27684-1	223.81	27684-2	223.94	27684-3	223.94						
M42	4.5	150	63	32.0	24.0	27686-1	251.60	27686-2	251.79	27686-3	251.79						
M45	4.5	160	70	36.0	29.0	27388-1	310.60	27388-2	311.01	27388-3	311.43						
M48	5	180	75	36.0	29.0	27390-1	430.14	27390-2	431.97	27390-3	432.54						
M52	5	180	75	40.0	32.0	27392-1	439.91	27392-2	440.07	27392-3	440.81						
M56	5.5	200	85	45.0	35.0	27394-1	550.41	27394-2	552.01								

*Long shank taps available upon request



*Hand Taps

DIN 2181

HSS-G

Metric ISO Thread DIN 13



Fine Thread

TV01 — DIN 2181 Taper

TV01 — DIN 2181 Plug

TV01 — DIN 2181 Bottom

TV01 — DIN 2181 Left Hand Taper

TV01 — DIN 2181 Left Hand Plug

TV01 — DIN 2181 Left Hand Bottom

Size	Pitch	Overall Length	Thread Length	Shank Diameter	Square Across Flats	Standard						Left Hand					
						Taper		Plug		Bottom		Taper		Plug		Bottom	
						Order #	Price	Order #	Price	Order #	Price	Order #	Price	Order #	Price	Order #	Price
M2.5	0.35	40	9	2.8	2.1			26304-2	17.79								
M4	0.5	45	10	4.5	3.4	26312-1	17.89	26312-2	17.89								
M5	0.5	50	12	6.0	4.9			26314-2	18.02	26314-3	18.02						
M6	0.5	50	14	6.0	4.9			26317-2	18.02								
M6	0.75	50	14	6.0	4.9	26318-1	16.29	26318-2	16.29	26318-3	16.29						
M7	0.75	50	14	6.0	4.9	26320-1	16.32	26320-2	16.32								
M8	0.5	50	19	6.0	4.9			26322-2	16.35	26322-3	16.35						
M8	0.75	50	19	6.0	4.9			26324-2	16.32	26324-3	16.35						
M8	1	56	22	6.0	4.9	26326-1	16.38	26326-2	16.38	26326-3	16.38		26011-2	24.18			
M9	0.75	56	19	7.0	5.5			26328-2	18.24								
M9	1	63	20	7.0	5.5			26330-2	18.31								
M10	0.5	63	20	7.0	5.5			26331-2	18.34	26331-3	18.34						
M10	0.75	63	20	7.0	5.5	26332-1	18.34	26332-2	18.34	26332-3	18.34						
M10	1	63	20	7.0	5.5	26336-1	16.74	26336-2	16.58	26336-3	16.58			26015-2	24.44		
M10	1.25	70	24	7.0	5.5	26338-1	18.40	26338-2	18.40	26338-3	18.40	26016-1	27.40	26016-2	27.40	26016-3	27.40
M11	1	63	20	8.0	6.2			26340-2	23.74								
M11	1.25	63	22	8.0	6.2			26342-2	23.70								
M12	1	70	22	9.0	7.0	26344-1	24.02	26344-2	23.99	26344-3	23.99			26020-2	35.59		
M12	1.25	70	22	9.0	7.0	26346-1	23.96	26346-2	23.99	26346-3	23.99			26021-2	35.62		
M12	1.5	70	22	9.0	7.0	26348-1	22.23	26348-2	22.26	26348-3	22.26			26022-2	33.02		
M14	1	70	22	11.0	9.0			26353-2	36.71	26353-3	36.71						
M14	1.25	70	22	11.0	9.0	26354-1	28.27	26354-2	28.33	26354-3	28.33			26027-2	41.37	26027-3	41.37
M14	1.5	70	22	11.0	9.0	26356-1	24.50	26356-2	24.50	26356-3	24.50			26028-2	36.10	26028-3	36.10
M15	1	70	22	12.0	9.0			26358-2	41.11								
M15	1.5	70	22	12.0	9.0			26360-2	41.05								
M16	1	70	22	12.0	9.0	26362-1	41.08	26362-2	41.08	26362-3	41.08						
M16	1.5	70	22	12.0	9.0	26366-1	30.03	26366-2	30.06	26366-3	30.06			26033-2	43.93	26033-3	43.93
M17	1.5	70	22	12.0	9.0			26369-2	44.38								
M18	1	80	22	14.0	11.0			26370-2	45.34	26370-3	45.34						
M18	1.25	80	22	14.0	11.0			26371-2	71.26								
M18	1.5	80	22	14.0	11.0	26372-1	34.82	26372-2	34.88	26372-3	34.88			26036-2	50.45	26036-3	50.45
M18	2	80	22	14.0	11.0			26374-2	45.34	26374-3	45.34						
M20	1	80	22	16.0	12.0			26378-2	56.84	26378-3	56.84						
M20	1.5	80	22	16.0	12.0	26384-1	42.87	26384-2	42.87	26384-3	42.87			26040-2	62.27	26040-3	62.27
M20	2	80	22	16.0	12.0	26386-1	56.84	26386-2	56.74	26386-3	56.74						
M22	1	80	22	18.0	14.5			26390-2	59.74								
M22	1	80	22	18.0	14.5			26391-2	59.84								
M22	1.5	80	22	18.0	14.5	26394-1	59.71	26394-2	59.77	26394-3	59.77			26045-2	81.25	26045-3	81.25
M22	2	80	22	18.0	14.5	26396-1	59.74	26396-2	59.74	26396-3	59.74						

*Long shank taps available upon request



*Hand Taps

DIN 2181

HSS-G

Metric ISO Thread DIN 13



Fine Thread

TV01 — DIN 2181 Taper

TV01 — DIN 2181 Plug

TV01 — DIN 2181 Bottom

TV01 — DIN 2181 Left Hand Taper

TV01 — DIN 2181 Left Hand Plug

TV01 — DIN 2181 Left Hand Bottom

Size	Pitch	Overall Length	Thread Length	Shank Diameter	Square Across Flats	Standard						Left Hand			
						Taper		Plug		Bottom		Plug		Bottom	
						Order #	Price	Order #	Price	Order #	Price	Order #	Price	Order #	Price
M24	1	90	22	18.0	14.5			26500-2	79.55	26500-3	79.55				
M24	1.5	90	22	18.0	14.5	26504-1	61.50	26504-2	61.47	26504-3	61.53	26050-2	90.25	26050-3	90.25
M24	2	90	22	18.0	14.5	26506-1	79.46	26506-2	79.52	26506-3	79.55	26051-2	115.81	26051-3	115.81
M25	1	90	22	18.0	14.5			26507-2	114.59						
M25	1.5	90	22	18.0	14.5			26508-2	114.59						
M26	1.5	90	22	18.0	14.5			26512-2	115.72						
M27	1.5	90	22	20.0	16.0			26517-2	115.65	26517-3	115.65				
M27	2	90	22	20.0	16.0			26518-2	134.63	26518-3	134.63				
M28	1.5	90	22	20.0	16.0			26522-2	134.85	26522-3	134.85				
M28	2	90	22	20.0	16.0			26524-2	134.76						
M30	1	90	22	22.0	18.0			26528-2	159.30						
M30	1.5	90	22	22.0	18.0	26530-1	159.33	26530-2	159.42	26530-3	159.42				
M30	2	90	22	22.0	18.0	26532-1	159.26	26532-2	159.30	26532-3	159.30				
M30	3	125	56	22.0	18.0	26534-1	162.40	26534-2	162.69	26534-3	162.69				
M32	1.5	90	22	22.0	18.0			26536-2	159.65						
M32	2	90	22	22.0	18.0			26535-2	159.62						
M33	1.5	100	25	25.0	20.0			26538-2	162.53	26538-3	162.53				
M33	2	100	25	25.0	20.0			26540-2	194.40						
M33	3	125	56	25.0	20.0	26542-1	197.06	26542-2	197.35	26542-3	197.35				
M35	1.5	100	25	28.0	22.0			26548-2	196.87						
M36	1.5	100	25	28.0	22.0			26550-2	207.17						
M36	2	125	40	28.0	22.0			26552-2	210.63	26552-3	210.63				
M36	3	125	40	28.0	22.0			26554-2	210.47	26554-3	210.47				
M38	1.5	100	25	28.0	22.0			26556-2	252.56	26556-3	252.56				
M38	2	125	40	28.0	22.0			26557-2	256.34						
M39	1.5	110	25	32.0	24.0			26558-2	255.82						
M39	2	125	40	32.0	24.0			26560-2	260.02						
M39	3	125	40	32.0	24.0			26562-2	259.38						
M40	1.5	110	25	32.0	24.0			26564-2	270.10						
M40	2	125	40	32.0	24.0			26566-2	260.02						
M40	3	125	40	32.0	24.0			26568-2	259.92						
M42	2	125	40	32.0	24.0			26572-2	272.35						
M42	3	125	40	32.0	24.0			26574-2	272.16	26574-3	272.16				
M45	1.5	110	25	36.0	29.0			26576-2	307.94						
M45	2	125	40	36.0	29.0			26578-2	311.75						
M45	3	125	40	36.0	29.0			26580-2	311.40	26580-3	311.40				
M48	1.5	140	40	36.0	29.0			26582-2	372.21						
M48	2	140	40	36.0	29.0			26584-2	371.96						
M48	3	140	40	36.0	29.0			26586-2	371.96						
M56	4	180	50	40.0	32.0			28012-2	670.70						

*Long shank taps available upon request



*Machine Taps

ISO 529/DIN 374

HSS-G / HSS-E

Metric ISO Thread DIN 13

Coarse/Fine Thread

TV01 — ISO 529/DIN 374 Spiral Point

TV01 — ISO 529/DIN 374 Spiral Flute



Coarse Thread									
Size	Pitch	Overall Length	Thread Length	Shank Diameter	Square Across Flats	Spiral Point		Spiral Flute	
						Order #	Price	Order #	Price
M2	0.4	41.0	8.0	2.5	2.0	80516	18.06		
M2.5	0.45	44.5	9.5	2.8	2.24	80522	18.08		
M3	0.5	48.0	11.0	3.15	2.5	80526	10.69	80726	13.88
M3.5	0.6	50.0	13.0	3.55	2.8	80528	11.29	37528	17.89
M4	0.7	53.0	13.0	4.0	3.15	80530	10.75	80730	13.94
M5	0.8	58.0	16.0	5.0	4.0	80534	11.71	80734	14.02
M6	1	66.0	19.0	6.3	5.0	80538	12.33	80738	14.45
M8	1.25	72.0	22.0	8.0	6.3	80542	15.82	80742	17.36
M10	1.5	80.0	24.0	10.0	8.0	80546	19.85	80746	22.60
M12	1.75	89.0	29.0	9.0	7.1	80550	27.57	80750	29.12
M14	2	95.0	30.0	11.2	9.0	80554	32.18	80754	40.08
M16	2	102.0	32.0	12.5	10.0	80558	39.96	80758	45.45
M18	2.5	110.0	37.0	14.0	11.2	80562	57.01	80762	68.02
M20	2.5	112.0	37.0	14.0	11.2	80566	64.20	80766	77.77
M22	2.5	118.0	38.0	16.0	12.5	80570	76.43	80770	88.49
M24	3	130.0	45.0	18.0	14.0	80574	88.04	80774	100.42
M27	3	135.0	45.0	20.0	16.0	80576	122.33		
M30	3.5	138.0	48.0	20.0	16.0	80578	159.91	80778	186.92

Fine Thread										
Size	Pitch	Overall Length	Thread Length	Thread Length	Shank Diameter	Square Across Flats	Spiral Point		Spiral Flute	
			(Spiral Point)	(Spiral Flute)			Order #	Price	Order #	Price
M8	1	90	22	10	6.0	4.9	39511	32.61	39711	36.90
M10	1	90	20	10	7.0	5.5	39515	38.05	39715	43.80
M10	1.25	100	24	16	7.0	5.5	39516	38.15	39716	43.90
M12	1	100	22	—	9.0	7.0	39520	52.71		
M12	1.25	100	22	15	9.0	7.0	39521	52.71	39721	56.95
M12	1.5	100	22	15	9.0	7.0	39522	52.71	39722	56.92
M14	1.25	100	22	—	11.0	9.0	39527	68.02		
M14	1.5	100	22	15	11.0	9.0	39528	67.99	39728	69.89
M16	1.5	100	22	—	12.0	9.0	39533	76.32		
M18	1.5	110	25	—	14.0	11.0	39536	93.68		
M20	1.5	125	25	—	16.0	12.0	39540	105.15		
M22	1.5	125	25	17	18.0	14.5	39545	129.07	39745	140.12

*Long shank taps available upon request



HexTap S

Threading-Bit, 1/4" Hexagon Shank

Metric ISO-thread DIN 13



Coarse/Fine Thread

TV01 — Threading-Bit



Coarse Thread						
Size	Pitch	L1	L2	SW1	Order #	Price
M3	0.5	33	11	1/4"	TV01-67026	9.76
M3.5	0.6	33.5	10	1/4"	TV01-67028	12.98
M4	0.7	35	12	1/4"	TV01-67030	9.78
M4.5	0.75	35	12	1/4"	TV01-67032	12.98
M5	0.8	36	15	1/4"	TV01-67034	12.12
M5.5	-	35	15	1/4"	TV01-67036	14.76
M6	1	39	18	1/4"	TV01-67038	12.16
M7	1	37.5	16	1/4"	TV01-67040	14.79
M8	1.25	40	19	1/4"	TV01-67042	17.45
M9	1.25	40.5	18	1/4"	TV01-67044	24.48
M10	1.5	41	21	1/4"	TV01-67046	20.47

Fine Thread						
Size	Pitch	L1	L2	SW1	Order #	Price
M3	0.35	33	11	1/4"	TV01-67700	12.92
M3.5	0.35	33.5	10	1/4"	TV01-67701	12.98
M4	0.35	35	12	1/4"	TV01-67702	12.98
M4	0.5	35	12	1/4"	TV01-67703	12.98
M4.5	0.5	35	12	1/4"	TV01-67704	14.73
M5	0.5	36	15	1/4"	TV01-67705	14.76
M5	0.75	36	15	1/4"	TV01-67706	14.76
M5.5	0.5	35	15	1/4"	TV01-67707	14.76
M6	0.5	39	18	1/4"	TV01-67708	14.79
M6	0.75	39	18	1/4"	TV01-67709	14.79
M7	0.5	37.5	16	1/4"	TV01-67710	19.47
M7	0.75	37.5	16	1/4"	TV01-67711	19.44
M8	0.5	40	19	1/4"	TV01-67712	19.51
M8	0.75	40	19	1/4"	TV01-67713	19.51
M8	1	40	19	1/4"	TV01-67714	19.51
M9	0.5	40.5	18	1/4"	TV01-67715	24.51
M9	0.75	40.5	18	1/4"	TV01-67716	24.48
M9	1	40.5	18	1/4"	TV01-67717	24.48
M10	0.5	41	21	1/4"	TV01-67718	24.54
M10	0.75	41	21	1/4"	TV01-67719	24.54
M10	1	41	21	1/4"	TV01-67720	24.54
M10	1.25	41	21	1/4"	TV01-67721	24.54



HexTap DS

Double Ended Tap , Multi-Drive
Metric ISO-thread DIN 13



Coarse Thread

TV01 — Threading-Bit



Size	Pitch	L1	L2	SW1	SW2	Order #	Price
M11	1.5	70	22	8	4	TV01-67048	41.37
M12	1.75	70	22	8	4	TV01-67050	41.47
M14	2	70	22	10	4	TV01-67051	47.70
M16	2	70	22	10	4	TV01-67052	55.25
M18	2.5	80	24	13	5	TV01-67053	60.64
M20	2.5	80	24	13	6	TV01-67054	66.51
M22	2.5	80	24	15	6	TV01-67055	84.63
M24	3	90	27	15	8	TV01-67056	99.55
M27	3	90	27	19	8	TV01-67057	154.18
M30	3.5	90	27	19	10	TV01-67058	198.75
M33	3.5	100	29	24	10	TV01-67059	265.29
M36	4	100	29	24	10	TV01-67060	319.25
M39	4	110	32	27	12	TV01-67061	411.57
M42	4.5	110	27	27	12	TV01-67062	465.72
M45	4.5	110	27	32	17	TV01-67063	565.14
M48	5	140	42	32	17	TV01-67064	800.62
M52	5	140	42	36	19	TV01-67065	805.24



DS (double sided) Taps

Pilot for exact alignment



Roughing and finishing tap combined

Can be used in awkward locations with a ratchet, hexagon key or wrench



Sizes: M11 - M52






HexTap DS

Double Ended Tap , Multi-Drive
Metric ISO-thread DIN 13



Fine Thread

TV01 — Threading-Bit



Size	Pitch	L1	L2	SW1	SW2	Order #	Price
M11	1.25	70	22	8	4	TV01-67724	46.63
M12	0.5	70	22	8	4	TV01-67725	46.79
M12	0.75	70	22	8	4	TV01-67726	46.76
M12	1	70	22	8	4	TV01-67727	46.76
M12	1.25	70	22	8	4	TV01-67728	46.73
M12	1.5	70	22	8	4	TV01-67729	43.27
M13	0.5	70	22	10	4	TV01-67730	71.76
M13	0.75	70	22	10	4	TV01-67731	71.63
M13	1	70	22	10	4	TV01-67732	71.60
M13	1.5	70	22	8	4	TV01-67733	71.31
M14	0.5	70	22	10	4	TV01-67734	71.79
M14	0.75	70	22	10	4	TV01-67735	71.72
M14	1	70	22	10	4	TV01-67736	71.66
M14	1.25	70	22	10	4	TV01-67737	54.80
M14	1.5	70	22	10	4	TV01-67738	47.21
M15	0.75	70	22	12	4	TV01-67739	80.31
M15	1	70	22	12	4	TV01-67740	80.31
M15	1.5	70	22	10	4	TV01-67741	80.02
M16	0.5	70	22	12	4	TV01-67742	80.41
M16	0.75	70	22	12	4	TV01-67743	80.34
M16	1	70	22	12	4	TV01-67744	80.34
M16	1.25	70	22	12	4	TV01-67745	80.34
M16	1.5	70	22	12	4	TV01-67746	58.25
M17	1	80	24	13	5	TV01-67747	87.35
M17	1.5	80	24	13	5	TV01-67748	87.25
M18	0.5	80	24	13	5	TV01-67749	87.76
M18	0.75	80	24	13	5	TV01-67750	87.64
M18	1	80	24	13	5	TV01-67751	87.57
M18	1.25	80	24	13	5	TV01-67752	87.51
M18	1.5	80	24	13	5	TV01-67753	66.55
M18	1	80	24	13	5	TV01-67754	87.41
M19	1	80	24	15	6	TV01-67755	109.53
M19	1.5	80	24	15	6	TV01-67756	109.34
M20	0.5	80	24	15	6	TV01-67757	109.82
M20	0.75	80	24	15	6	TV01-67758	109.76
M20	1	80	24	15	6	TV01-67759	109.72
M20	1.25	80	24	15	6	TV01-67760	109.66
M20	1.5	80	24	15	6	TV01-67761	81.53
M20	1	80	24	15	6	TV01-67762	109.37

Continued on next page



HexTap DS

Double Ended Tap , Multi-Drive
Metric ISO-thread DIN 13



Fine Thread

TV01 — Threading-Bit



Size	Pitch	L1	L2	SW1	SW2	Order #	Price
M21	1	80	24	15	6	TV01-67763	113.99
M21	1.5	80	24	15	6	TV01-67764	113.92
M22	0.5	80	24	17	6	TV01-67765	114.79
M22	0.75	80	24	17	6	TV01-67766	114.72
M22	1	80	24	17	6	TV01-67767	114.66
M22	1.25	80	24	17	6	TV01-67768	114.50
M22	1.5	80	24	17	6	TV01-67769	114.53
M22	2	80	24	17	6	TV01-67770	114.53
M23	1	80	24	17	6	TV01-67771	152.74
M23	1.5	80	24	17	6	TV01-67772	152.64
M24	0.5	80	24	19	8	TV01-67773	152.93
M24	0.75	80	24	19	8	TV01-67774	152.93
M24	1	80	24	19	8	TV01-67775	152.93
M24	1.25	80	24	19	8	TV01-67776	152.96
M24	1.5	90	27	19	8	TV01-67777	117.43
M24	2	90	27	17	8	TV01-67778	153.47
M25	1	90	27	19	8	TV01-67779	223.46
M25	1.5	90	27	19	8	TV01-67780	223.40
M26	1	90	27	19	8	TV01-67781	224.01
M26	1.5	90	27	19	8	TV01-67782	223.94
M26	2	90	27	19	8	TV01-67783	223.75
M27	1	90	27	19	8	TV01-67784	224.55
M27	1.5	90	27	19	8	TV01-67785	224.14
M27	2	90	27	19	8	TV01-67786	261.86
M28	1	90	27	19	8	TV01-67787	262.69
M28	1.5	90	27	19	8	TV01-67788	262.47
M28	2	90	27	19	8	TV01-67789	262.31
M29	1.5	90	27	19	8	TV01-67790	262.66
M30	1	90	27	24	10	TV01-67791	310.61
M30	1.5	90	27	24	10	TV01-67792	310.49
M30	2	90	27	24	10	TV01-67793	310.26
M30	2.5	90	27	22	10	TV01-67794	309.91
M30	3	90	27	22	10	TV01-67795	309.46
M32	1	90	27	24	10	TV01-67796	311.77
M32	1.5	90	27	24	10	TV01-67797	311.13
M32	2	90	27	24	10	TV01-67798	311.51
M32	3	90	27	24	10	TV01-67799	311.51
M33	1.5	100	29	24	10	TV01-67800	312.44
M33	2	100	29	24	10	TV01-67801	376.01
M33	3	100	29	24	10	TV01-67802	376.01

Continued on next page



HexTap DS

Double Ended Tap , Multi-Drive
Metric ISO-thread DIN 13



Fine Thread

TV01 — Threading-Bit



Size	Pitch	L1	L2	SW1	SW2	Order #	Price
M34	1	100	29	27	10	TV01-67803	378.92
M34	1.5	100	29	27	10	TV01-67804	379.05
M34	2	100	29	27	10	TV01-67805	378.60
M35	1	100	29	27	10	TV01-67806	379.18
M35	1.5	100	29	27	10	TV01-67807	379.18
M35	2	100	29	27	10	TV01-67808	379.18
M36	1	100	29	27	10	TV01-67809	400.17
M36	1.5	100	29	27	10	TV01-67810	400.36
M36	2	100	29	27	10	TV01-67811	399.91
M36	3	100	29	27	10	TV01-67812	399.43
M37	1.5	100	29	27	10	TV01-67813	490.76
M38	1	110	32	27	12	TV01-67814	491.60
M38	1.5	110	32	27	12	TV01-67815	491.76
M38	2	110	32	27	12	TV01-67816	491.53
M38	3	110	32	27	12	TV01-67817	491.05
M39	1.5	110	32	32	12	TV01-67818	494.61
M39	2	110	32	27	12	TV01-67819	492.08
M39	3	110	32	27	12	TV01-67820	491.43
M40	1	110	32	32	12	TV01-67821	495.79
M40	1.5	110	32	32	12	TV01-67822	495.63
M40	2	110	32	32	12	TV01-67823	494.73
M40	3	110	32	27	12	TV01-67824	494.19
M42	1	110	32	32	12	TV01-67825	496.78
M42	2	110	27	32	12	TV01-67826	520.10
M42	3	110	27	32	12	TV01-67827	519.78
M42	1.5	110	27	32	12	TV01-67828	497.59
M44	1.5	110	27	36	12	TV01-67829	588.06
M44	2	110	27	36	12	TV01-67830	588.06
M45	1	110	27	36	17	TV01-67831	588.03
M45	1.5	110	27	36	17	TV01-67832	587.03
M45	2	110	27	36	17	TV01-67833	587.39
M45	3	110	27	36	17	TV01-67834	587.00
M46	1.5	110	27	36	17	TV01-67835	588.51
M48	1	140	45	36	17	TV01-67836	707.72
M48	1.5	140	45	36	17	TV01-67837	707.46
M48	2	140	45	36	17	TV01-67838	707.72
M48	3	140	45	36	17	TV01-67839	707.55
M50	1.5	140	40	41	17	TV01-67840	778.39
M50	2	140	42	41	17	TV01-67841	778.39
M50	3	140	42	36	17	TV01-67842	778.39
M52	1.5	140	42	41	19	TV01-67843	922.30
M52	2	140	42	41	19	TV01-67844	922.30
M52	3	140	42	41	19	TV01-67845	922.30
M63	1.5	160	47	50	19	TV01-67846	1523.87



Die Stocks

DIN 225



TV01 — DIN 225



Diameter	Height	Pkg.	Order #	Price
16	5	1	TV01-15001	9.13
20	5	1	TV01-15002	10.12
20	7	1	TV01-15003	10.09
25	9	1	TV01-15004	12.27
30	11	1	TV01-15005	20.76
38	10	1	TV01-15006	33.47
38	14	1	TV01-15007	33.35
45	14	1	TV01-15008	46.88
45	18	1	TV01-15009	46.49
55	16	1	TV01-15010	59.00
55	22	1	TV01-15011	58.27
65	18	1	TV01-15012	101.67
65	25	1	TV01-15013	100.87
75	20	1	TV01-15214	199.77
75	30	1	TV01-15215	207.97
90	22	1	TV01-15216	245.80
90	36	1	TV01-15217	249.00

Tap Wrenches

DIN 1814



T017 — DIN 1814



Size	Capacity (mm)	Pkg.	Order #	Price
0	1-8	1	TV01-14000	15.89
#1	1-10	1	TV01-14010	19.40
#2	4-12	1	TV01-14020	35.14
#3	5-20	1	TV01-14030	68.74
#4	11-27	1	TV01-14040	131.54



Circular Dies

DIN 223

High Speed Steel

Metric ISO Thread DIN 13



Coarse Thread

TV01 — DIN 223 HSS

Size	Pitch	Outer-Ø o / d	Pkg.	Order #	Price
M2	0.4	16 x 5	1	TV01-27416	28.08
M2.2	0.45	16 x 5	1	TV01-27418	28.08
M2.5	0.45	16 x 5	1	TV01-27422	28.08
M2.6	0.45	16 x 5	1	TV01-27424	28.08
M3	0.5	20 x 5	1	TV01-27426	14.19
M3.5	0.6	20 x 5	1	TV01-27428	21.78
M4	0.7	20 x 5	1	TV01-27430	14.19
M5	0.8	20 x 7	1	TV01-27434	15.23
M6	1	20 x 7	1	TV01-27438	15.20
M7	1	25 x 9	1	TV01-27440	23.93
M8	1.25	25 x 9	1	TV01-27442	16.42
M9	1.25	25 x 9	1	TV01-27444	27.15
M10	1.5	30 x 11	1	TV01-27446	20.10
M11	1.5	30 x 11	1	TV01-27448	30.86
M12	1.75	38 x 14	1	TV01-27450	31.18
M14	2	38 x 14	1	TV01-27454	34.50
M16	2	45 x 18	1	TV01-27458	49.23
M18	2.5	45 x 18	1	TV01-27462	48.91
M20	2.5	45 x 18	1	TV01-27466	48.91
M22	2.5	55 x 22	1	TV01-27470	92.78
M24	3	55 x 22	1	TV01-27474	92.43
M27	3	65 x 25	1	TV01-27476	135.00
M30	3.5	65 x 25	1	TV01-27478	133.46
M33	3.5	65 x 25	1	TV01-27480	133.69
M36	4	65 x 25	1	TV01-27482	131.92
M39	4	75 x 30	1	TV01-27484	207.87
M42	4.5	75 x 30	1	TV01-27486	207.97
M45	4.5	90 x 36	1	TV01-27488	370.26
M48	5	90 x 36	1	TV01-27490	366.51



Circular Dies

DIN 223

High Speed Steel

Metric ISO Thread DIN 13



Fine Thread

TV01 — DIN 223 HSS

Size	Pitch	Outer-Ø o / d	Pkg.	Order #	Price
M4	0.5	20 x 5	1	TV01-26412	30.19
M5	0.5	20 x 5	1	TV01-26414	30.19
M5	0.75	20 x 7	1	TV01-26416	30.29
M6	0.5	20 x 5	1	TV01-26417	30.19
M6	0.75	20 x 7	1	TV01-26418	25.34
M8	0.5	25 x 9	1	TV01-26422	32.70
M8	0.75	25 x 9	1	TV01-26424	27.47
M8	1	25 x 9	1	TV01-26426	27.47
M10	1	30 x 11	1	TV01-26436	33.25
M10	1.25	30 x 11	1	TV01-26438	33.12
M11	1	30 x 11	1	TV01-26440	47.47
M12	1	38 x 10	1	TV01-26444	42.23
M12	1.25	38 x 10	1	TV01-26446	42.33
M12	1.5	38 x 10	1	TV01-26448	41.05
M14	1	38 x 10	1	TV01-26453	53.00
M14	1.25	38 x 10	1	TV01-26454	46.61
M14	1.5	38 x 10	1	TV01-26456	46.57
M16	1	45 x 14	1	TV01-26462	73.74
M16	1.5	45 x 14	1	TV01-26466	57.83
M18	1	45 x 14	1	TV01-26470	68.98
M18	1.5	45 x 14	1	TV01-26472	57.55
M18	2	45 x 14	1	TV01-26474	68.88
M20	1	45 x 14	1	TV01-26478	69.01
M20	1.5	45 x 14	1	TV01-26484	57.61
M20	2	45 x 14	1	TV01-26486	68.98
M22	1.5	55 x 16	1	TV01-26494	95.84
M24	1	55 x 16	1	TV01-26600	111.38
M24	1.5	55 x 16	1	TV01-26604	95.71
M24	2	55 x 16	1	TV01-26606	111.41
M25	1	55 x 16	1	TV01-26607	143.25
M25	1.5	55 x 16	1	TV01-26608	143.34
M26	1.5	55 x 16	1	TV01-26612	143.12
M27	1.5	65 x 18	1	TV01-26617	166.33
M27	2	65 x 18	1	TV01-26618	166.01
M30	1.5	65 x 18	1	TV01-26630	165.24
M30	2	65 x 18	1	TV01-26632	169.79
M36	1.5	65 x 18	1	TV01-26650	164.24
M36	2	65 x 18	1	TV01-26652	164.24
M36	3	65 x 25	1	TV01-26654	166.97

Hexagon Dies

DIN 382

High Speed Steel

Metric ISO Thread DIN 13



Coarse Thread

TV01 — DIN 382 HSS

Size	Pitch	Width Across Flats	Pkg.	Order #	Price
M3	0.5	19 x 5	1	TV01-27126	27.88
M3.5	0.6	19 x 5	1	TV01-27128	27.88
M4	0.7	19 x 5	1	TV01-27130	27.85
M5	0.8	19 x 7	1	TV01-27134	27.98
M6	1	19 x 7	1	TV01-27138	27.98
M7	1	22 x 9	1	TV01-27140	30.25
M8	1.25	22 x 9	1	TV01-27142	30.16
M9	1.25	22 x 9	1	TV01-27144	30.19
M10	1.5	27 x 11	1	TV01-27146	36.20
M11	1.5	27 x 11	1	TV01-27148	36.26
M12	1.75	36 x 14	1	TV01-27150	51.19
M14	2	36 x 14	1	TV01-27154	51.22
M16	2	41 x 18	1	TV01-27158	72.81
M18	2.5	41 x 18	1	TV01-27162	72.39
M20	2.5	41 x 18	1	TV01-27166	72.20
M22	2.5	50 x 22	1	TV01-27170	121.40
M24	3	50 x 22	1	TV01-27174	147.22
M27	3	60 x 25	1	TV01-27176	223.34
M30	3.5	60 x 25	1	TV01-27178	222.00
M33	3.5	60 x 25	1	TV01-27180	221.68
M36	4	60 x 25	1	TV01-27182	222.41
M39	4	70 x 30	1	TV01-27184	365.26
M42	4.5	70 x 30	1	TV01-27186	366.13
M45	4.5	85 x 36	1	TV01-27188	519.37
M48	5	85 x 36	1	TV01-27190	517.67



Hexagon Dies

DIN 382

High Speed Steel

Metric ISO Thread DIN 13



Fine Thread

TV01 — DIN 382 HSS

Size	Pitch	Width Across Flats	Pkg.	Order #	Price
M5	0.5	19 x 5	1	TV01-26114	53.41
M6	0.5	19 x 5	1	TV01-26117	53.41
M6	0.75	19 x 7	1	TV01-26118	53.51
M8	0.75	22 x 9	1	TV01-26124	57.27
M8	1	22 x 9	1	TV01-26126	57.24
M10	1	27 x 11	1	TV01-26136	57.69
M10	1.25	27 x 11	1	TV01-26138	57.69
M12	1	36 x 10	1	TV01-26144	80.11
M12	1.25	36 x 10	1	TV01-26146	80.18
M12	1.5	36 x 10	1	TV01-26148	80.24
M14	1	36 x 10	1	TV01-26153	90.31
M14	1.25	36 x 10	1	TV01-26154	90.28
M14	1.5	36 x 10	1	TV01-26156	90.47
M16	1	41 x 14	1	TV01-26162	111.81
M16	1.25	41 x 14	1	TV01-26164	111.94
M16	1.5	41 x 14	1	TV01-26166	111.97
M18	1	41 x 14	1	TV01-26170	117.69
M18	1.5	41 x 14	1	TV01-26172	117.75
M18	2	41 x 14	1	TV01-26174	117.85
M20	1	41 x 14	1	TV01-26178	117.72
M20	1.5	41 x 14	1	TV01-26184	117.88
M20	2	41 x 14	1	TV01-26186	117.91
M22	1.5	50 x 16	1	TV01-26194	170.94
M24	1.5	50 x 16	1	TV01-26704	170.94
M24	2	50 x 16	1	TV01-26706	170.84
M27	1.5	60 x 18	1	TV01-26716	258.23
M30	1.5	60 x 18	1	TV01-26730	257.46
M30	2	60 x 18	1	TV01-26732	257.17
M30	3	60 x 18	1	TV01-26734	260.50
M45	1.5	85 x 22	1	TV01-26776	628.42



Thread Repair Kits

Metric

Up to M24



Wire Thread Inserts 1.5 D

TV20 — Thread Repair Kit



Coarse Thread								
Diameter	Pitch	Drill Size	Inserting Tool	Tang Break Tool	# of inserts	Pkg.	Order #	Price
M2	0.4	2.1 mm	No. 2	No. 2	20	1	TV20-04001	63.07
M2.5	0.45	2.6 mm	No. 3	No. 3	20	1	TV20-04003	63.07
M3	0.5	3.2 mm	No. 4	No. 4	20	1	TV20-04005	62.75
M4	0.7	4.2 mm	No. 6	No. 6	20	1	TV20-04007	63.39
M5	0.8	5.2 mm	No. 8	No. 8	20	1	TV20-04009	66.39
M6	1	6.3 mm	No. 9	No. 9	20	1	TV20-04010	71.98
M7	1	7.3 mm	No. 10	No. 11	20	1	TV20-04011	92.84
M8	1.25	8.3 mm	No. 11	No. 11	20	1	TV20-04012	94.45
M9	1.25	9.3 mm	No. 12	No. 12	15	1	TV20-04014	104.04
M10	1.5	10.4 mm	No. 13	No. 13	15	1	TV20-04016	102.18
M11	1.5	11.4 mm	No. 14	No. 14	10	1	TV20-04019	114.83
M12	1.75	12.4 mm	No. 15	No. 15	10	1	TV20-04021	117.40
M14	2		No. 16		10	1	TV20-04028	132.48
M16	2		No. 18		10	1	TV20-04032	161.41
M18	2.5		No. 20		5	1	TV20-04034	190.14
M20	2.5		No. 21		5	1	TV20-04037	205.44
M22	2.5		No. 22		5	1	TV20-04040	235.64
M24	3		No. 23		5	1	TV20-04043	273.47

Fine Thread								
Diameter	Pitch	Drill Size	Inserting Tool	Tang Break Tool	# of inserts	Pkg.	Order #	Price
M8	1	8.3 mm	No. 11	No. 11	20	1	TV20-04013	94.13
M10	1	10.3 mm	No. 13	No. 13	15	1	TV20-04018	101.54
M10	1.25	10.3 mm	No. 13	No. 13	15	1	TV20-04017	101.86
M12	1	12.3 mm	No. 15	No. 15	10	1	TV20-04024	116.76
M12	1.25	12.3 mm	No. 15	No. 15	10	1	TV20-04023	116.76
M12	1.5	12.4 mm	No. 15	No. 15	10	1	TV20-04022	117.08
M14	1.25		No. 17		10	1	TV20-04030	132.16
M14	1.5		No. 16		10	1	TV20-04029	132.16
M16	1.5		No. 18		10	1	TV20-04033	159.81
M18	1.5		No. 20		5	1	TV20-04036	186.94
M20	1.5		No. 21		5	1	TV20-04039	203.52
M20	2		No. 21		5	1	TV20-04038	204.80
M22	1.5		No. 22		5	1	TV20-04042	233.08
M24	1.5		No. 23		5	1	TV20-04045	267.07
M24	2		No. 23		5	1	TV20-04044	270.59



Thread Repair Kits

Imperial

UNC/UNF



Wire Thread Inserts 1.5 D

TV20 — Thread Repair Kit



UNC								
Diameter	Pitch	Drill Size	Inserting Tool	Tang Break Tool	# of inserts	Pkg.	Order #	Price
#4	40	3.1	No. 4	No. 4	20	1	TV20-04101	81.68
#6	32	3.8	No. 5	No. 5	20	1	TV20-04102	82.00
#8	32	4.4	No. 6	No. 6	20	1	TV20-04103	82.32
#10	24	5.2	No. 7	No. 6	20	1	TV20-04104	82.96
1/4	20	6.7	No. 9	No. 9	20	1	TV20-04107	76.36
5/16	18	8.3	No. 10	No. 10	20	1	TV20-04108	95.57
3/8	16	9.9	No. 12	No. 12	15	1	TV20-04109	102.98
7/16	14	11.6	No. 14	No. 14	10	1	TV20-04110	117.53
1/2	13	13	No. 15	No. 15	10	1	TV20-04111	130.59
9/16	12		No. 16		10	1	TV20-04112	171.82
5/8	11		No. 18		10	1	TV20-04113	175.66
3/4	10		No. 20		5	1	TV20-04114	221.05
7/8	9		No. 22		5	1	TV20-04115	267.71
1	8		No. 23		4	1	TV20-04116	262.74

UNF								
Diameter	Pitch	Drill Size	Inserting Tool	Tang Break Tool	# of inserts	Pkg.	Order #	Price
#10	32	5.1	No. 8	No. 8	20	1	TV20-04123	82.96
1/4	28	6.7	No. 9	No. 9	20	1	TV20-04125	76.04
5/16	24	8.3	No. 11	No. 11	20	1	TV20-04126	95.57
3/8	24	9.8	No. 13	No. 13	15	1	TV20-04127	102.34
7/16	20	11.5	No. 14	No. 14	10	1	TV20-04128	116.56
1/2	20	13	No. 15	No. 15	10	1	TV20-04129	128.99
9/16	18		No. 16		10	1	TV20-04130	170.22
5/8	18		No. 18		10	1	TV20-04131	174.06
3/4	16		No. 21		5	1	TV20-04132	218.49
7/8	14		No. 22		5	1	TV20-04133	265.47



Thread Repair Kits

Over M24

STI-taps, sets of 2 pcs.

Inserting Tool with Hexagon Drive



Wire Thread Inserts 1.5 D

TV20 — Thread Repair Kit



Coarse Thread					
Diameter	Pitch	# of inserts	Pkg.	Order #	Price
M27	3	10	1	TV20-04050	846.85
M30	3.5	10	1	TV20-04054	993.70
M33	3.5	10	1	TV20-04057	1024.37
M36	4	10	1	TV20-04060	1108.13

Fine Thread					
Diameter	Pitch	# of inserts	Pkg.	Order #	Price
M30	1.5	10	1	TV20-04056	972.88

