Release: MDTools Library 2021

Modified Cavities:

| S. No | Library Name | Cavity/Footprint Name | Operations | Dot | | Comma |
				Inch	MM	MM
1	HYDAC	FC08-3	Step3 Depth rectified as 0.696" (17.68 mm) Step4 Depth rectified as 1.256" (31.91 mm)	❶	❶	❶
		FC10-3	Step1 Angle rectified as 15° Step3 Depth rectified as 0.802" (20.36 mm) Step4 Depth rectified as 1.504" (38.21 mm)	❶	❶	❶
		FC10-4	Step3 Depth rectified as 0.875" (22.22 mm) Step4 Depth rectified as 1.506" (38.24 mm) Step5 Depth rectified as 2.126" (54.01 mm)	❶	❶	❶
		FC16-3	Step3 Depth rectified as 1.305"(33.14 mm)	❶	❶	❶
		FC16-4	Step0 Diameter rectified as 1.75" (44.45 mm) Step3 Depth rectified as 1.304" (33.12 mm)	❶	❶	❶
2	Integrated Hydraulics	A3377	Step12 Depth rectified as 2" (50.8 mm)	❶	❶	❶
		A3531	Step12 Depth rectified as 2.5" (63.5 mm) Port1 Depth rectified as 2.165" (55 mm)	❶	❶	❶
		A6835	Step1 Diameter rectified as 1.4" (35.58 mm)	❶	❶	❶
		A893	Step12 Depth rectified as 3"(75 mm)	❶	❶	❶
		A12370	Step3 Angle rectified as 60° Step4 Diameter & Depth rectified as 0.626" (15.9 mm) & 1.315" (33.4 mm) Step12 Diameter & Depth rectified as 0.551"(14 mm) & 1.772" (45 mm)	❶	❶	❶
		A2791	Step4 Angle rectified as 90°	❶	❶	❶
		A5302	Step12 Diameter rectified as 0.61"(15.5 mm)	❶	❶	❶
		A6935	Step7 Diameter & Depth rectified as 1.378" (35 mm) & 3.031" (77 mm) Step12 Diameter & Depth rectified as 1.339" (34 mm) & 3.346" (85 mm)	❶	❶	❶

S. No	Library Name	Cavity/Footprint Name	Operations	Dot		Comma
				Inch	MM	MM
2	Integrated Hydraulics	A881	Step4 Depth rectified as 2.262" (57.45 mm) Step12 Depth rectified as 3.346" (85 mm) Max. Drill Diameter rectified as 0.531" (13.5 mm)	❶	❶	❶
		A12743	Step12 Depth rectified as 2.559" (65 mm)	❶	❶	❶
		A12744	Step12 Depth rectified as 3.15" (85 mm) Max. Drill Diameter rectified as 0.591" (15 mm)	❶	❶	❶
		A13098	Step12 Depth rectified as 3.937" (100 mm)	❶	❶	❶
		A16927	Step12 Depth rectified as 0.984" (25 mm)	❶	❶	❶
		A19787	Step6 Angle rectified as 45° Step7 Depth & Angle rectified as 4.173" (106 mm) & 60° Step12 Depth & Angle rectified as 4.528" (115 mm) & 59°	❶	❶	❶
		A3973	Step3 Diameter rectified as 0.803" (20.4 mm) Step4 Diameter & Depth rectified as 0.751" (19.08 mm) & 1.496" (38 mm) Step12 Depth rectified as 1.772" (45 mm)	❶	❶	❶
		A5572	Step3 Diameter rectified as 0.803" (20.4 mm) Step4 Diameter rectified as 0.749" (19.03 mm) Step5 Diameter & Depth rectified as 0.67" (17.03 mm) & 2.717" (69 mm) Step12 Depth rectified as 2.953" (75 mm) Port1 Depth rectified as 2.32" (59 mm)	❶	❶	❶
3	Parker	C16-3S	Step12 rectified as 2.56" (65 mm)	❶	❶	❶
		CDD-1036	Step6 Diameter, Depth & Angle taken as 0.937" (23.8 mm), 2.38" (60.3 mm) & 60° Step12 Diameter & Depth rectified as 0.217" (5.5 mm) & 3" (75 mm) Maximum Drill Diameter taken as 0.236" (6 mm)	❶	❶	❶
4	Direct.Control-NFPA-T3.5.1	D05-Alt-A	Rename D05H to D05-Alt-A	❶	❶	❶
		D05-Alt-B	T1 port added	❶	❶	❶

Modified O-rings Data:

S. No	Modified O-Rings	Operation	Dot		Comma
			Inch	MM	MM
1	ALL	Dash number Updated as: 2-008, 2-009, 2-2010… etc. O-ring Inner Diameter, Outer Diameter and Groove Width Updated.		❶	❶

Newly Introduced Cavities:

S. No	Library Name	Cavity/Footprint Name	Operations	Dot		Comma
				Inch	MM	MM
1	Tognella	FT 243/2-243/5-243/5S-14 FT 243/2-243/5-243/5S-38 FT 243/2-243/5-243/5S-12 FT 243/2-243/5-243/5S-34 FT280/2-12 FT280/2-14 FT 280/2-281/2-18 FT280/2-38 FT 280/2-60 FT 281/2-60 FT 280/5-280/6-12 FT 280/5-280/6-14 FT 280/5-280/6-38 FT 280/5-288/5-288/2-289/2-60 FT 287/2-297/2-14 FT 287/2-297/2-38 FT 287/2-297/2-12 FT 287/2-297/2-34 FT281/5-60 FT293 FTIPH FTIPN FTIPNB FT 1247/2-18 BS FT 1247/2-18 CS FT 1247/2-18 FS FT 245/6-12 FT 245/6-14 FT 245/6-34 FT 245/6-38 FT 247/2-267/2-100 BS FT 247/2-267/2-100 CS FT 247/2-267/2-100 FS FT 247/2-267/2-12 BS FT 247/2-267/2-12 CS FT 247/2-267/2-12 FS FT 247/2-267/2-14 BS FT 247/2-267/2-14 CS FT 247/2-267/2-14 FS	Newly Introduced	❶	❶	❶

| S. No | Library Name | Cavity/Footprint Name | Operations | Dot | | Comma |
				Inch	MM	MM
1	Tognella	FT 247/2-267/2-18 BS FT 247/2-267/2-18 CS FT 247/2-267/2-18 FS FT 247/2-267/2-34 BS FT 247/2-267/2-34 CS FT 247/2-267/2-34 FS FT 247/2-267/2-38 BS FT 247/2-267/2-38 CS FT 247/2-267/2-38 FS FT 264/2-12 FT 264/2-14-264/2-18 FT 264/2-34 FT 264/2-38 FT 265/2-268/2-34-UNF FT 265/2-268/2-78-UNF FT 266/2-266/5-266/6-34-UNF FT 266/2-266/5-266/6-78-UNF FT 267/5-100 CS FT 267/5-100 FS FT 267/5-12 BS FT 267/5-12 CS FT 267/5-12 FS FT 267/5-14 BS FT 267/5-14 CS FT 267/5-14 FS FT 267/5-34 BS FT 267/5-34 CS FT 267/5-34 FS FT 267/5-38 BS FT 267/5-38 CS FT 267/5-38 FS FT 267/6-12 FT 267/6-14 FT 267/6-34 FT 267/6-38	Newly Introduced	❶	❶	❶
2	Moog	631-500A	Newly Introduced	❶	❶	❶
3	Wandfluh	NG3-Mini NG4-Mini	Newly Introduced	❶	❶	❶
4	Barksdale	PR_C/HE04-32	Newly Introduced	❶	❶	❶
5	Yuken	BG-03/BSG-03/EBG-03 BG-06/BSG-06/EBG-06 BG-10/BSG-10/EBG-10 BUCG-06 BUCG-10 EDG-01 EFBG-03-125 ERBG-06 FG-01-*-N/FCG-01-*-N FG-02-*-N/FCG-02-*-N FG-03-*-N/FCG-03-*-N FG-06-*-N/FCG-06-*-N LSVG-03	Newly Introduced	❶	❶	❶

| S. No | Library Name | Cavity/Footprint Name | Operations | Dot | | Comma |
				Inch	MM	MM
5	Yuken	MHSL-11-2.0 MHSL-19-2.0 MHSL-28-2.0 MSSL-06-2.0 RBG-03 RBG-06 RCG-03 RG-06/RCG-06 RG-10/RCG-10 TCMS-06-2.0 YBG-01-*-1080 YBG-02-*-1080	Newly Introduced	❶	❶	❶
6	General Electric	GPV10 GPV25 GPV35 GPV50 GPV80	Newly Introduced	❶	❶	❶

Date: April 28, 2021

Release: MD Tools Library 2020

Modified Cavities:

S. No	Library Name	Cavity/Footprint Name	Operations	Dot Inch	Dot MM	Comma MM
1	Fluid-Press	22201	Step4 Diameter, Depth and Angle rectified as 0.512" (13 mm), 2.047" (52 mm) & 60° Step12 Diameter, Depth and Angle introduced as 0.472" (12 mm), 2.5" (55 mm) & 59°	❶	❶	❶
2	HYDAC Filters	DFP/DFPF 330-1320	LP rectified as 1.063" (27 mm)	❶	❶	❶
3	Rexroth	FD 25 KA 2X	Step12 Diameter, Depth and Angle rectified as 0.197" (5 mm), 7.185" (182.5 mm) & 59°	❶	❶	❶
4	Screw-In Cartridge-ISO 7789	18-01-0-07	STEP5 Diameter taken as 15 mm and depth 31 mm STEP12 Diameter taken as 14 mm	❶	❶	❶
		18-02-0-07	STEP5 Diameter taken as 13.5 mm and depth 32 mm STEP12 Diameter taken as 13 mm	❶	❶	❶
		20-01-0-07	STEP5 Diameter taken as 17 mm and depth 32mm STEP12 Diameter taken as 16 mm	❶	❶	❶
		20-02-0-07	STEP5 Diameter taken as 15.5 mm and depth 33mm STEP12 Diameter taken as 15 mm	❶	❶	❶
		20-03-0-07	STEP5 Diameter taken as 14 mm and depth 34.5mm STEP12 Diameter taken as 13 mm	❶	❶	❶
		20-04-0-07	STEP6 Diameter taken as 15.5 mm and depth 48mm STEP12 Diameter taken as 15 mm	❶	❶	❶
		20-05-0-07	STEP7 Diameter taken as 14 mm and depth 64mm STEP12 Diameter taken as 13 mm	❶	❶	❶
		22-01-0-07	STEP5 Diameter taken as 19 mm and depth 40mm STEP12 Diameter taken as 18 mm	❶	❶	❶
		22-02-0-07	STEP5 Diameter taken as 17.5 mm and depth 41.5 mm STEP12 Diameter taken as 17 mm	❶	❶	❶
		22-03-0-07	STEP5 Diameter taken as 16 mm and depth 42.5 mm STEP12 Diameter taken as 15 mm	❶	❶	❶
		22-04-0-07	STEP6 Diameter taken as 17 mm and depth 62 mm STEP12 Diameter taken as 16 mm	❶	❶	❶

S. No	Library Name	Cavity/Footprint Name	Operations	Dot		Comma
				Inch	MM	MM
4	Screw-In Cartridge-ISO 7789	22-05-0-07	STEP7 Diameter taken as 15 mm and depth 84 mm STEP12 Diameter taken as 14 mm	❶	❶	❶
		22-06-0-07	STEP6 Diameter taken as 17 mm and depth 56 mm STEP12 Diameter taken as 16 mm	❶	❶	❶
		22-07-0-07	STEP6 Diameter taken as 15.5 mm and depth 57.5 mm STEP12 Diameter taken as 15 mm	❶	❶	❶
		22-08-0-07	STEP6 Diameter taken as 14 mm and depth 58.5 mm STEP12 Diameter taken as 13 mm	❶	❶	❶
		22-09-0-07	STEP7 Diameter taken as 15 mm and depth 78 mm STEP12 Diameter taken as 14 mm	❶	❶	❶
		27-01-0-07	STEP5 Diameter taken as 23 mm and depth 48 mm STEP12 Diameter taken as 22 mm	❶	❶	❶
		27-02-0-07	STEP5 Diameter taken as 21.5 mm and depth 49.5 mm STEP12 Diameter taken as 21 mm	❶	❶	❶
		27-03-0-07	STEP5 Diameter taken as 20 mm and depth 50.5 mm STEP12 Diameter taken as 19 mm	❶	❶	❶
		27-04-0-07	STEP6 Diameter taken as 21 mm and depth 72.5 mm STEP12 Diameter taken as 20 mm	❶	❶	❶
		27-05-0-07	STEP7 Diameter taken as 19 mm and depth 97 mm STEP12 Diameter taken as 18 mm	❶	❶	❶
		27-06-0-07	STEP6 Diameter taken as 21 mm and depth 63.5 mm STEP12 Diameter taken as 20 mm	❶	❶	❶
		27-07-0-07	STEP6 Diameter taken as 19.5 mm and depth 65 mm STEP12 Diameter taken as 19 mm	❶	❶	❶
		27-08-0-07	STEP6 Diameter taken as 18 mm and depth 66 mm STEP12 Diameter taken as 17 mm	❶	❶	❶
		27-09-0-07	STEP7 Diameter taken as 19 mm and depth 88 mm STEP12 Diameter taken as 18 mm	❶	❶	❶
		33-01-0-07	STEP5 Diameter taken as 29 mm and depth 52 mm STEP12 Diameter taken as 28 mm	❶	❶	❶
		33-02-0-07	STEP5 Diameter taken as 27 mm and depth 54 mm STEP12 Diameter taken as 26 mm	❶	❶	❶
		33-03-0-07	STEP5 Diameter taken as 25 mm and depth 55.5 mm STEP12 Diameter taken as 24 mm	❶	❶	❶

| S. No | Library Name | Cavity/Footprint Name | Operations | Dot | | Comma |
				Inch	MM	MM
4	Screw-In Cartridge- ISO 7789	33-04-0-07	STEP6 Diameter taken as 27 mm and depth 80 mm STEP12 Diameter taken as 26 mm	⓪	⓪	⓪
		33-05-0-07	STEP7 Diameter taken as 25 mm and depth 108 mm STEP12 Diameter taken as 24 mm	⓪	⓪	⓪
		33-06-0-07	STEP6 Diameter taken as 27 mm and depth 67 mm STEP12 Diameter taken as 26 mm	⓪	⓪	⓪
		33-07-0-07	STEP6 Diameter taken as 25 mm and depth 69 mm STEP12 Diameter taken as 24 mm	⓪	⓪	⓪
		33-08-0-07	STEP6 Diameter taken as 23 mm and depth 70.5 mm STEP12 Diameter taken as 22 mm	⓪	⓪	⓪
		33-09-0-07	STEP7 Diameter taken as 25 mm and depth 95 mm STEP12 Diameter taken as 24 mm	⓪	⓪	⓪
		42-01-0-07	STEP5 Diameter taken as 38 mm and depth 58 mm STEP12 Diameter taken as 37 mm	⓪	⓪	⓪
		42-02-0-07	STEP5 Diameter taken as 36 mm and depth 60 mm STEP12 Diameter taken as 35 mm	⓪	⓪	⓪
		42-03-0-07	STEP5 Diameter taken as 34 mm and depth 61.5 mm STEP12 Diameter taken as 32 mm	⓪	⓪	⓪
		42-04-0-07	STEP6 Diameter taken as 36 mm and depth 91 mm STEP12 Diameter taken as 35 mm	⓪	⓪	⓪
		42-05-0-07	STEP7 Diameter taken as 34 mm and depth 124 mm STEP12 Diameter taken as 32 mm	⓪	⓪	⓪
		42-06-0-07	STEP6 Diameter taken as 36 mm and depth 73.5 mm STEP12 Diameter taken as 35 mm	⓪	⓪	⓪
		42-07-0-07	STEP6 Diameter taken as 34 mm and depth 75.5 mm STEP12 Diameter taken as 32 mm	⓪	⓪	⓪
		42-08-0-07	STEP6 Diameter taken as 32 mm and depth 77 mm STEP12 Diameter taken as 31 mm	⓪	⓪	⓪
		42-09-0-07	STEP7 Diameter taken as 34 mm and depth 106.5 mm STEP12 Diameter taken as 32 mm	⓪	⓪	⓪

Newly Introduced Cavities:

S. No	Library Name	Cavity/Footprint Name	Operations	Dot Inch	Dot MM	Comma MM
1	HYDAC	FC06-2 FC06-3	Newly Introduced	❶	❶	❶
2	Hawe SICV Cavities	MV4 MV6 MV8	Newly Introduced	❶	❶	❶
3	Rexroth	FD 12 KA 2X FD 16 KA 2X FD 32 KA 2X 008 009 308 690 730 808 869 870 871 924 1004 017-E 021-E 076-E 081-E 730-A CA-04A-2N CA-10A-5N CA-16A-5C CA-20B-6C FB FC FK LG R/LA R/MH2FR04K YHC YHK	Newly Introduced	❶	❶	❶
4	Argo-Hytos	BPY3 CPY3 QF2 QH2 RD3 RE3 BP3 A2 A3 A4 B2 B3 B4 C2 C3 CP3	Newly Introduced	❶	❶	❶

| S. No | Library Name | Cavity/Footprint Name | Operations | Dot | | Comma |
				Inch	MM	MM
4	Argo-Hytos	Q3 QC2 QE3 QF3 QG2 QI3 QJ3 RA2	Newly Introduced	❶	❶	❶
5	CBF Hydraulics	CAV00001 CAV00004 CAV00005 CAV00025 CAV00038 CAV00046 CAV00055 CAV00079 CAV00083 CAV00088 CAV00092	Newly Introduced	❶	❶	❶
6	Fluid-Press	23081 23101 23102 23121 23161 26241 32181 32205 32221 32331 32421 33071 33081 33082 33101 33102 33121 33122 33123 33141 33161 33162 36241 43081 43101 43121 43161 32351 32381 33103	Newly Introduced	❶	❶	❶
7	HBS	HBS.38.M.02A HBS.39.M.02A HBS.90.U.03A	Newly Introduced	❶	❶	❶

| S. No | Library Name | Cavity/Footprint Name | Operations | Dot | | Comma |
				Inch	MM	MM
7	HBS	HBS.93.U.02A HBS.93.U.03A HBS.94.U.02A HBS.94.U.03A HBS.96.U.02A HBS.96. U.03A HBS.97.U.02A HBS.37.M.03A HBS.38.M.03A	Newly Introduced	❶	❶	❶
8	Hoerbiger	PSR2BE10 SP32 SP33 SR2BE08E VDM2VE16E/VPD M2VE16 PSR2BE04 PSR3BE10 VDBE08 VDBE10	Newly Introduced	❶	❶	❶
9	Hydrofactory	RV30 SAE 08.02 SAE 10/2 RV80	Newly Introduced	❶	❶	❶
10	IMAV	C-08-2-IMAV C-08-3-IMAV C-08-4-IMAV C-10-2-IMAV C-10-3-IMAV C-10-3S-IMAV C-10-4-IMAV C-12-2-IMAV C-12-3-IMAV C-12-3S-IMAV C-12-4-IMAV C-16-2-IMAV C-16-3-IMAV C-16-3S-IMAV C-16-4-IMAV C-20-2-IMAV C-20-3-IMAV C-20-3S-IMAV C-20-4-IMAV	Newly Introduced	❶	❶	❶
11	LC Oleodinamica	LC-11 LC-15 LC-21	Newly Introduced	❶	❶	❶
12	OFC	CBC 60 CBC 90 CBC 150 CBCC 60 CBCC 90 CBCC 150 CBCE 120	Newly Introduced	❶	❶	❶

| S. No | Library Name | Cavity/Footprint Name | Operations | Dot | | Comma |
				Inch	MM	MM
12	OFC	CBCE 200 CBCE 320 CVC 02 CVC 03 CVC 04 CVC 20 CVC 40 CVC 80 CVC 120 CVC 200 CVC 360 FDCS10 LVCPHW 80 LVPC04 LVPC06 PRC 1 PRC 20 PRC 35 / PRC 35CC PRC 80 PRC20M 18 PRCD 150 PRCD 250 VD32CS 120 VPRDC 02 VPREDC 03	Newly Introduced	❶	❶	❶
13	Oilcomp	VSE.C01 VSE.C02 VSE.C03 VSE.C04 VSE.C05 C1001-2V C1002-2V C1003-2V C1006-2V C1007-2V C1009-2V C1012-2V C1013-2V C1015-2V C1021-2V C1023-2V C1028-2V C1029-2V C2001-2V C2002-2V C2004-2V C2006-2V C3001-2V C3002-2V C3003-2V C3004-2V C3005-3V	Newly Introduced	❶	❶	❶

| S. No | Library Name | Cavity/Footprint Name | Operations | Dot | | Comma |
				Inch	MM	MM
13	Oilcomp	C3007-2V C3009-3V C4003-3V C4006-3V C4007-3V C4009-3V C4010-3V C4012-3V C4013-3V C4023-3V C5001-2V C5013-2V C5014-2V C5020-2V C5023-3V C5024-2V C5025-2V C5039-3V C6001-3V C6002-3V C6003-3V C8006-2V C4004-3V C4015-3V C5079-2V CIS001-2V	Newly Introduced	**0**	**0**	**0**
14	Oleoweb	C2015/2 C2015/30 C2015/1415/2 C2215/3 C2415/2 C2615/2 C2815/2 SAE08/2 SAE10/2 SAE12/2 SAE16/2 SAE08/3 VUBA100 VUBA120 VUBA140 VUBA340 VUBA380 VUC140 VUC380 VUI120 VUI140 VUI340 VUI380 VUP120 VUP140 VUP340 VUP380	Newly Introduced	**0**	**0**	**0**

| S. No | Library Name | Cavity/Footprint Name | Operations | Dot | | Comma |
				Inch	MM	MM
14	Oleoweb	SAE10/3 SAE12/3 SAE16/3 SAE08/4 SAE10/4 SAE12/4 SAE16/4 VCC140 VCC380 VRD120 VRD140 VRD340 VRD380 VSC120	Newly Introduced	❶	❶	❶
15	Parker	3U C11-3	Newly Introduced	❶	❶	❶
16	Spica	M20, 2port	Newly Introduced	❶	❶	❶
17	TRIES	A1 A2 A2.1 B2 D1 D2 D2.1 D4 E1.1 E2.1 K2 T10 T6 T-8A-TRIES VH002 VH003 VH004 VH005 VH054 A3 A3.1 A4.1 B2.1 B3 B3.1 B4 B5 D3 D5 E1 F3 F4 E2 E3 E3.1	Newly Introduced	❶	❶	❶

S. No	Library Name	Cavity/Footprint Name	Operations	Dot		Comma
				Inch	MM	MM
17	TRIES	F2 F5 K3 K4 K5 T7	Newly Introduced	❶	❶	❶
18	VIS Hydraulics	SAE08 SAE08-1 SAE08-2 SAE08-3 SAE09 SAE10 SAE10-1 SAE10-2 SAE10-3 SAE12 SAE16 SAE20 VH001 VH002 VH003 VH004 VH005 VH007 VH008 VH009 VH011 VH012 VH013 VH014 VH015 VH017 VH018 VH020 VH021 VH023 VH024 VH056 VH057 VH058 VH077 VH079 VH080 VH085 VH091 VH106 VH166 VH169 VH028 VH039 VH041 VH043 VH045	Newly Introduced	❶	❶	❶

S. No	Library Name	Cavity/Footprint Name	Operations	Dot		Comma
				Inch	MM	MM
18	VIS Hydraulics	VH052 VH053 VH054 VH065 VH070 VH092 VH094 VH095 VH101 VH102 VH120 VH121 VH122 VH131 VH146 VH160 VH162 VH189 VH208 VH062 VH069 VH099 VH194 VH209	Newly Introduced	❶	❶	❶
19	WEBER-HYDRAULIK	C-10-2-WH C-10-3-WH DB12-FT DBG1 DBG4 EDB EEPDBD 03 EEPDBD 05 EEPDRD3-04 FTRW-2.5 FTRW-5 M(S)V3/2 MSV MSVT PVDE2-11 RBR-G 1/2 RBR-G 1/4 RBR-G 3/8 RBS1-G 1/2 RBS1-G 1/4 RBS1-G 3/4 RBS1-G 3/8 RBS1-M18x1.5 RHR-G 1/2 RHR-G 1/4 RHR-G 3/4 RHR-G 3/8 RKR-G 1/2	Newly Introduced	❶	❶	❶

| S. No | Library Name | Cavity/Footprint Name | Operations | Dot | | Comma |
				Inch	MM	MM
19	WEBER-HYDRAULIK	RKR-G 1/4 RKR-G 3/4 RKR-G 3/8 SMSVP STO/DBT2 T-11A-WH T-2A-WH T-3A-WH T-5A-WH VCD-G 1/2 VCD-G 1/4 VCD-G 3/4 VCD-G 3/8 VCL-G 1/2 VCL-G 1/4 VCL-G 3/8 VCM NG 3 NG 3 Compact NG 4 Compact SMSV6 STD STE T-8A-WH T-10A-WH T-13A-WH T-16A-WH DBT	Newly Introduced	0	0	0

Date: Sep 22, 2020

Modified Cavities:

S. No	Library Name	Cavity/Footprint Name	Operations	Dot		Comma
				Inch	MM	MM
1	Delta Power	40500005	Step6, Depth rectified as 28.575 mm Step12, Diameter rectified as 9.53 mm Port2 Depth rectified as 28.575 mm	-	**0**	**0**
2	Hydac 2-way Ball Valves	2-Way BV KHP-10	All BHs - Step0 & Step12 Depth rectified as 0.63" (16mm) & 0.787" (20mm)	**0**	**0**	**0**
		2-Way BV KHP-16	All BHs - Step0 & Step12 Depth rectified as 0.63" (16mm) & 0.787" (20mm)	**0**	**0**	**0**
		2-Way BV KHP-20	All BHs - Step0 & Step12 Depth rectified as 0.787" (20mm) & 0.945" (24mm)	**0**	**0**	**0**
		2-Way BV KHP-25	All BHs - Step0 & Step12 Depth rectified as 0.787" (20mm) & 0.945" (24mm)	**0**	**0**	**0**
		2-Way BV KHP-32	All BHs - Step0 & Step12 Depth rectified as 0.945" (24mm) & 1.102" (28mm)	**0**	**0**	**0**
		2-Way BV KHP-40	All BHs - Step0 & Step12 Depth rectified as 1.26" (32mm) & 1.496" (38mm)	**0**	**0**	**0**
		2-Way BV KHP-50	All BHs - Step0 & Step12 Depth rectified as 1.575" (40mm) & 1.89" (48mm)	**0**	**0**	**0**
3	BIERI	NG4	Cavity name renamed as "DMM-4E"	**0**	**0**	**0**
		NG6	Cavity name renamed as "AVM-4E"	**0**	**0**	**0**
4	Integrated Hydraulics	A6835	Step1 Diameter rectified as 1.4" (35.58mm)	**0**	**0**	**0**

Deleted Cavity

1	DMIC	BVMM-0750	Non-Standard Outline dimensions rectified	**0**	**0**	**0**

Newly Introduced Cavities:

| S. No | Library Name | Cavity/Footprint Name | Operations | Dot | | Comma |
				Inch	MM	MM
1	Argo-Hytos	D4 K2 K3 LA3 QD3 QK2 QL3 QM3 QP2 QT2 QY3 R3 R4 RB2 RB3 S3 T3 U3 U4 V4 W3/X3 Y3 Z4	Newly Introduced	❶	❶	❶
2	BIERI	DAM-4E DV700-6E DVM-4E ERVM-4E ERVPM-10E WVM-4B-2/2 WVM-4B-3/2 WVM-4B-3/3 WVM-4B-4/2 WVM-4B-4/3	Newly Introduced	❶	❶	❶
3	Caproni	CC 06-2 CC 08-2 CC 08-3 CC 08-3A CC 08-4 CC 10-2 CC 10-3 CC 10-3S CC 10-4	Newly Introduced	❶	❶	❶

| S. No | Library Name | Cavity/Footprint Name | Operations | Dot | | Comma |
				Inch	MM	MM
4	CBF Hydraulic	CAV00002 CAV00003 CAV00006 CAV00007 CAV00008 CAV00009 CAV00010 CAV00016 CAV00017 CAV00018 CAV00019 CAV00026 CAV00027 CAV00028 CAV00029 CAV00030 CAV00031 CAV00032 CAV00033 CAV00034 CAV00037 CAV00039 CAV00040 CAV00041 CAV00042 CAV00043 CAV00044 CAV00045 CAV00048 CAV00049 CAV00050 CAV00051 CAV00064 CAV00076	Newly Introduced	❶	❶	❶
5	Deltrol	R05-2 R06-2 R08-2 S210 S310 S410 ZP42 ZP43 ZP62 ZP63	Newly Introduced	❶	❶	❶
6	Doering	C-8502 C-8542 C-8543 C-8544	Newly Introduced	❶	❶	❶
7	Fer Hydraulik	CFH003 CFH004 CFH006 CFH010 CFH025 CFH026	Newly Introduced	❶	❶	❶

S. No	Library Name	Cavity/Footprint Name	Operations	Dot		Comma
				Inch	MM	MM
		CFH029 CFH030 CFH032 CFH042 CFH043 CFH054 CFH055 CFH056 FPRC80 - CFH025				
8	Flucom	S 20/2 S 20/3 S 20/4 S 28/2 S 28/3 S 28/4 S 29/2 S 30/2 S 30/3 S 30/4 S 32/2B S 32/2P S 50/2 S 50/3 S 50/4 S 70/2 S 70/3 S 70/4	Newly Introduced	**0**	**0**	**0**
9	Fluid-Press	21261 21331 22161 22182 22201 22205 22221 22222 22261 22331	Newly Introduced	**0**	**0**	**0**

S. No	Library Name	Cavity/Footprint Name	Operations	Dot		Comma
				Inch	MM	MM
10	HBS	HBS.02.G.03A HBS.04.G.03A HBS.06.G.02A HBS.08.G.02A HBS.38.M.04A HBS.38.S.02A HBS.39.M.03A HBS.42.M.03A HBS.46.M.03A HBS.46.M.03B HBS.48.M.03A HBS.52.M.03A HBS.94.U.04A HBS.95.S.03A HBS.96.S.03A HBS.96.U.04A HBS.99.S.02A HBS.99.S.02B	Newly Introduced	❶	❶	❶
11	Hoerbiger	E10 E16 E32 E40 E50 SVN VDBE04 VDBE06 VDBVE16E VDBVE32E	Newly Introduced	❶	❶	❶
12	Hytorc	ASE4 ASE6 DBE 2 DBE 4 ERV 3 ERV 4 ERV 6	Newly Introduced	❶	❶	❶
13	Jung Fluidtechnik	G 1/8-D4 M14x1.5-D6 M14x1.5-D8-D3 M14x1.5-D8-D4 M20x1.5-D15 M20x1.5-D15-D14 UNF 3/4-16-D12.7	Newly Introduced	❶	❶	❶
14	Moog	DPCMEE16S8 DPCMEE20S8 REE NB10 REE NB16 REE NB25	Newly Introduced	❶	❶	❶

S. No	Library Name	Cavity/Footprint Name	Operations	Dot		Comma
				Inch	MM	MM
15	Wandfluh	1-1039.4 1-1058.4 1-1286.4 1-1293.4 1-1301.4 1-1311.4 1-1325.4 1-1344.4 1-1352.4 1-1353.4 1-1357.4 1-1359.4 1-1364.4 1-1367.4 1-1375.4 1-1376.4 1-1381.4 1-852.4 2-641.4 3-399.4 5-2711.4 5-2754.4 5-2843.4 5-3128.4 5-3129.4 8-005.3	Newly Introduced	❶	❶	❶

Date: Apr 18, 2020

| S. No | Library Name | Cavity/Footprint Name | Operations | Dot | | Comma |
				Inch	MM	MM
1	Sun Hydraulics	T-10A	Step0, Angle changed from 90º to 59° Machining Sequence Operation2 changed from "C'Bore" to "DRILL".	❶	❶	❶
		T-11A	Step0, Angle changed from 90º to 59° Machining Sequence Operation2 changed from "C'Bore" to "DRILL".	❶	❶	❶
		T-13A	Step0, Angle changed from 90º to 59° Machining Sequence Operation2 changed from "C'Bore" to "DRILL".	❶	❶	❶
		T-162A	Machining Sequence Operation2 changed from "C'Bore" to "DRILL".	❶	❶	❶
		T-162DP-INSERTABLE	Machining Sequence Operation2 changed from "C'Bore" to "DRILL".	❶	❶	❶
		T-163A	Machining Sequence Operation2 changed from "C'Bore" to "DRILL".	❶	❶	❶
		T-21A	Step0, Angle changed from 90º to 59° Machining Sequence Operation2 changed from "C'Bore" to "DRILL".	❶	❶	❶
		T-22A	Step0, Angle changed from 90º to 59° Machining Sequence Operation2 changed from "C'Bore" to "DRILL".	❶	❶	❶
		T-2A	Step0, Angle changed from 90º to 59° Machining Sequence Operation2 changed from "C'Bore" to "DRILL".	❶	❶	❶
		T-31A	Machining Sequence Operation3 changed from "C'Bore" to "DRILL".	❶	❶	❶
		T-32A	Step0, Angle changed from 90º to 59° Machining Sequence Operation3 changed from "C'Bore" to "DRILL".	❶	❶	❶
		T-33A	Step0, Angle changed from 90º to 59° Machining Sequence Operation2 changed from "C'Bore" to "DRILL".	❶	❶	❶
		T-34A	Step0, Angle changed from 90º to 59° Machining Sequence Operation2 changed from "C'Bore" to "DRILL".	❶	❶	❶
		T-3A	Step0, Angle changed from 90º to 59° Machining Sequence Operation2 changed from "C'Bore" to "DRILL".	❶	❶	❶
		T-52A	Step0, Angle changed from 90º to 59° Machining Sequence Operation2 changed from "C'Bore" to "DRILL".	❶	❶	❶
		T-52AD	Step0, Angle changed from 90º to 59° Machining Sequence Operation2 changed from "C'Bore" to "DRILL".	❶	❶	❶

| S.No | Library Name | Cavity/Footprint Name | Operations | Dot | | Comma |
				Inch	MM	MM
		T-54A	Machining Sequence Operation2 changed from "C'Bore" to "DRILL".	❶	❶	❶
		T-5A	Step0, Angle changed from 90º to 59° Machining Sequence Operation2 changed from "C'Bore" to "DRILL".	❶	❶	❶
		T-61A	Step0, Angle changed from 90º to 59° Machining Sequence Operation2 changed from "C'Bore" to "DRILL".	❶	❶	❶
		T-62A	Step0, Angle changed from 90º to 59° Machining Sequence Operation2 changed from "C'Bore" to "DRILL".	❶	❶	❶
		T-8A	Step0, Angle changed from 90º to 59° Machining Sequence Operation2 changed from "C'Bore" to "DRILL".	❶	❶	❶
		T-9A	Machining Sequence Operation2 changed from "C'Bore" to "DRILL".	❶	❶	❶
2	Slip-In Cartridge-ISO 7368	BC-09-2-B	Port2, Depth rectified as 2.077" (52.75mm)	❶	❶	❶
		BG-13-2-A	Port2, Depth rectified as 5.138" (130.50)	❶	❶	❶
3	Walvoil	08/2	Step6 dimensions deleted Step12 Diameter, Depth & Angle rectified as 0.47" (12mm), 1.5" (40mm) & 59º	❶	❶	❶
		10/2	Step6 dimensions deleted Step12 Diameter, Depth & Angle rectified as 0.57" (14.5mm), 1.8" (40mm) & 59º	❶	❶	❶
		12/2	Step6 dimensions deleted Step12 Diameter, Depth & Angle rectified as 0.85" (21.5mm), 2.5 (60mm) & 59º	❶	❶	❶
		16/2	Step6 dimensions deleted Step12 Diameter, Depth & Angle rectified as 1" (25.5mm), 2.75" (70mm) & 59º	❶	❶	❶
4	Screw-In Cartridge-ISO 7789	18-01-0-07	Step0 Diameter rectified as 1.26" (32mm)	❶	❶	❶
		18-02-0-07	Step0 Diameter rectified as 1.26" (32mm)	❶	❶	❶
		20-01-0-07	Step0 Diameter rectified as 1.496" (38mm)	❶	❶	❶
		20-02-0-07	Step0 Diameter rectified as 1.496" (38mm)	❶	❶	❶
		20-03-0-07	Step0 Diameter rectified as 1.496" (38mm)	❶	❶	❶
		20-04-0-07	Step0 Diameter rectified as 1.496" (38mm)	❶	❶	❶
		20-05-0-07	Step0 Diameter rectified as 1.496" (38mm)	❶	❶	❶
		22-01-0-07	Step0 Diameter rectified as 1.654" (42mm)	❶	❶	❶
		22-02-0-07	Step0 Diameter rectified as 1.654" (42mm)	❶	❶	❶

S.NO	Library Name	Cavity/Footprint Name	Operations	Dot		Comma
				Inch	MM	MM
		22-03-0-07	Step0 Diameter rectified as 1.654" (42mm)	⓿	⓿	⓿
		22-04-0-07	Step0 Diameter rectified as 1.654" (42mm)	⓿	⓿	⓿
		22-05-0-07	Step0 Diameter rectified as 1.654" (42mm)	⓿	⓿	⓿
		22-06-0-07	Step0 Diameter rectified as 1.654" (42mm)	⓿	⓿	⓿
		22-07-0-07	Step0 Diameter rectified as 1.654" (42mm)	⓿	⓿	⓿
		22-08-0-07	Step0 Diameter rectified as 1.654" (42mm)	⓿	⓿	⓿
		22-09-0-07	Step0 Diameter rectified as 1.654" (42mm)	⓿	⓿	⓿
		27-01-0-07	Step0 Diameter rectified as 1.89" (48mm)	⓿	⓿	⓿
		27-02-0-07	Step0 Diameter rectified as 1.89" (48mm)	⓿	⓿	⓿
		27-03-0-07	Step0 Diameter rectified as 1.89" (48mm)	⓿	⓿	⓿
		27-04-0-07	Step0 Diameter rectified as 1.89" (48mm)	⓿	⓿	⓿
		27-05-0-07	Step0 Diameter rectified as 1.89" (48mm)	⓿	⓿	⓿
		27-06-0-07	Step0 Diameter rectified as 1.89" (48mm)	⓿	⓿	⓿
		27-07-0-07	Step0 Diameter rectified as 1.89" (48mm)	⓿	⓿	⓿
		27-08-0-07	Step0 Diameter rectified as 1.89" (48mm)	⓿	⓿	⓿
		27-09-0-07	Step0 Diameter rectified as 1.89" (48mm)	⓿	⓿	⓿
		33-01-0-07	Step0 Diameter rectified as 2.284" (58mm)	⓿	⓿	⓿
		33-02-0-07	Step0 Diameter rectified as 2.284" (58mm)	⓿	⓿	⓿
		33-03-0-07	Step0 Diameter rectified as 2.284" (58mm)	⓿	⓿	⓿
		33-04-0-07	Step0 Diameter rectified as 2.284" (58mm)	⓿	⓿	⓿
		33-05-0-07	Step0 Diameter rectified as 2.284" (58mm)	⓿	⓿	⓿
		33-06-0-07	Step0 Diameter rectified as 2.284" (58mm)	⓿	⓿	⓿
		33-07-0-07	Step0 Diameter rectified as 2.284" (58mm)	⓿	⓿	⓿
		33-08-0-07	Step0 Diameter rectified as 2.284" (58mm)	⓿	⓿	⓿
		33-09-0-07	Step0 Diameter rectified as 2.284" (58mm)	⓿	⓿	⓿
		42-01-0-07	Step0 Diameter rectified as 2.913" (74mm)	⓿	⓿	⓿
		42-02-0-07	Step0 Diameter rectified as 2.913" (74mm)	⓿	⓿	⓿
		42-03-0-07	Step0 Diameter rectified as 2.913" (74mm)	⓿	⓿	⓿

S.NO	Library Name	Cavity/Footprint Name	Operations	Dot		Comma
				Inch	MM	MM
		42-04-0-07	Step0 Diameter rectified as 2.913" (74mm)	⓪	⓪	⓪
		42-05-0-07	Step0 Diameter rectified as 2.913" (74mm)	⓪	⓪	⓪
		42-06-0-07	Step0 Diameter rectified as 2.913" (74mm)	⓪	⓪	⓪
		42-07-0-07	Step0 Diameter rectified as 2.913" (74mm)	⓪	⓪	⓪
		42-08-0-07	Step0 Diameter rectified as 2.913" (74mm)	⓪	⓪	⓪
		42-09-0-07	Step0 Diameter rectified as 2.913" (74mm)	⓪	⓪	⓪

Newly Introduced Cavities:

S.NO	Library Name	Cavity/Footprint Name	Operations	Dot		Comma
				Inch	MM	MM
1	Sun Hydraulics	T-150A T-30A	Newly Introduced	⓪	⓪	⓪
2	ATOS	CART M-3 CART M-4 CART M-5 CART M-6 CART ARE-15 CART ARE-20	Newly Introduced	⓪	⓪	⓪

Date: Jan 04, 2020.

Revision History: R1.014

S. No	Library Name	Cavity/Footprint Name	Operations	Dot Inch	Dot MM	Comma MM
1	Walvoil	08/2 08/2 A 08/3 08/4 16/2 16/2 A 16/3 16/4 20/3 VMP 10 VMP 12 VMP 20 VMP 34 VMP 5 VMPD 100 VMPD 12 VMPD 34 VMPD 38 VOC 120 VOC 60 10/2 10/2 A 10/3 10/4 12/2 12/2 A 12/3 12/4 VPR/2/RL/C/38 VSE/P/2-150 VSE/P/2-70 VUI 100 VUI 12 VUI 34 VUI 38 VUS/INC 12 VUS/INC 14 VUS/INC 34 VUS/INC 38	Newly Introduced	❶	❶	❶
2	BIERI	NG 4 NG 6	Newly Introduced	❶	❶	❶
3	High Pressure Equipment	LF12 LF16 LF24 LF4 LF6 LF9	Newly Introduced	❶	❶	❶

| S. No | Library Name | Cavity/Footprint Name | Operations | Dot | | Comma |
				Inch	MM	MM
4	HYDAC Needle Valves	DRVP-06 DRVP-08 DRVP-10 DRVP-12 DRVP-16 DRVP-20 DRVP-25 DRVP-30 DVP & DRVP-40 DVP-06 DVP-08 DVP-10 DVP-12 DVP-16 DVP-20 DVP-25 DVP-30	Newly Introduced	❶	❶	❶
5	Thomas Magnete	TC06013 TC06025 TC06023 TC06024	Newly Introduced	❶	❶	❶
6	DMIC	BVMM-0750	Newly Introduced	❶	❶	❶
7	MPFILTRI	TAV.2616	Newly Introduced	❶	❶	❶
8	Brevini	CN032005	Newly Introduced	❶	❶	❶
9	OILGEAR	HS-1200-5	Newly Introduced	❶	❶	❶
10	Schroeder	KF50	Newly Introduced	❶	❶	❶

R1. 013

| SI No. | Library Name | Cavity/Footprint Name | Operation | Dot | | Comma |
				Inch	MM	MM
1	Bucher Hydraulics	AGA AT AV AW AX AY DA DC DD DF DH DJ DL DN DP DU EB EC ECY EF ER GB KTU MDD RC RCY	Newly introduced	❶	❶	❶
		AA AB AC AD AE AEZ AG AGS AL ALM AM AN AS CA	Newly Introduced	❶	-	-

| 2 | Danfoss (Comatrol) | CP04-2
CP04-3
CP08-3L
CP10-2
CP10-3
CP12-2
CP12-3
CP12-3M
CP12-3S
CP12-4
CP16-4
CP20-3S
FC-010
FC-013
FC-144
FC-304
FC-336
NCS04/2
NCS04/3
NCS04/4
NCS06/2
NCS06/3
NCS06/4
NCS12/2
NCS12/3
NCS12/4
NCS12/5
SDC08-2
SDC08-3
SDC08-4
SDC10-2
SDC10-3
SDC10-3S
SDC10-4
SDC12-2
SDC12-3
SDC16-2
SDC16-3
SDC16-3S
SDC16-4
SDC20-2
SDC20-3
SDC20-4
VME06
VME07
VME08 | Existing Sauer Danfoss library updated and library name renamed as Danfoss (Comatrol). | ❶ | ❶ | ❶ |

3	Hydraforce	HVC06-2	Newly introduced	0	0	0
		HVC06-3				
		HVC06-B3				
		HVC08-2				
		HVC08-3				
		HVC10-2				
		HVC10-3				
		HVC10-4				
		HVC12-2				
		HVC12-3				
		HVC12-4				
		HVC12-S3				
		HVC12-S6				
		HVC16-2				
		HVC16-3				
		HVC16-3SPEC				
		HVC16-4				
		HVC16-DPCV				
		HVC16-PCV				
		HVC16-S3				
		HVC16-S5				
		HVC32-4				
		HVC42-J4				
		HVC42-M2				
		HVC42-M4				
		HVC42-S3				
		HVC42-S3A				
		HVC42-S5				
		HVC42-S6				
		VC06-1				
		VC06-B2				
		VC08-5				
		VC08-DCV				
		VC10-DCV				
		VC10-L3				
		VC10-L4				
		VC10-S4				
		VC12-DCV				
		VC12-PCV				
		VC16-3SPCL				
		VC16-4SPCL				
		VC20-S3A				
		VC42-S5				
		VC-T003				

4	Winner	04E-2	Newly introduced	❶	❶	❶
		08W-2				
		08W-3				
		08W-4				
		10W-2				
		10W-3				
		10W-4				
		10WB-3				
		12B-3				
		12W-2				
		12W-3				
		12W-4				
		16W-2				
		16W-4				
		16WC-3				
		17E-2				
		19E-2				
		20M-2				
		20MB-2				
		20MC-2				
		20MS-3				
		20WS-3				
		20WS-4				
		21E-2				
		22M-2				
		27M-3				
		28M-2				
		30R-2				
		33MC-2				
		35M-2				
		35MV-2				
		42W-2				

R1.012

Sl No.	Library Name	Cavity/Footprint Name	Operation	Dot Inch	Dot MM	Comma MM
1	Rexroth	CA-08A-3C	Step2, Depth rectified as N/A(12mm) Step3, Depth & Angle rectified as 0.54"(13.55mm) & 20° Step4, Depth & Angle rectified as 1.17"(29.80mm) & 20° Port2, Depth rectified as 1.043"(N/A in mm)	⓿	⓿	⓿
		CA-08A-3N	Step3, Depth rectified as 0.68"(17.05mm) Step4, Depth rectified as 1.23"(31.30mm)	⓿	⓿	⓿
		CA-08A-4N	Step3, Depth rectified as 0.68"(17.05mm) Step4, Depth rectified as 1.23"(31.30mm) Step5, Depth rectified as 1.78"(45.34mm)	⓿	⓿	⓿
		CA-10A-3C	Step3, Depth & Angle rectified as 0.62"(15.53mm) & 20° Step4, Depth rectified as 1.49"(37.83mm)	⓿	⓿	⓿
		CA-10A-3N	Step3, Depth rectified as 0.75"(18.87mm) Step4, Depth rectified as 1.47"(37.30mm)	⓿	⓿	⓿
		CA-10A-4N	Step3, Depth & Angle rectified as 0.84"(21.04mm) & 20° Step4, Depth rectified as 1.47"(37.33mm) Step5, Depth rectified as 2.10"(53.30mm)	⓿	⓿	⓿
		CA-12A-2N	Step3, Depth & Angle rectified as 1.30"(34.99mm) & 20°	⓿	⓿	⓿
		CA-12A-3C	Step3, Depth rectified as 0.99"(25.00mm) Step4, Depth rectified as 1.86"(47.33mm)	⓿	⓿	⓿
		CA-12A-3N	Step3, Depth rectified as 1.38"(35.00mm) Step4, Depth rectified as 2.34"(59.33mm)	⓿	⓿	⓿
		CA-12A-4N	Step3, Depth rectified as 1.38"(35.00mm) Step4, Depth rectified as 2.34"(59.33mm) Step5, Depth rectified as 3.36"(85.30mm)	⓿	⓿	⓿
		CA-16A-2N	Step3, Depth & Angle rectified as 1.27"(31.92mm) & 20°	⓿	⓿	⓿
		CA-16A-3N	Step3, Depth rectified as 1.25"(31.42mm) Step4, Depth rectified as 2.43"(61.80mm)	⓿	⓿	⓿
		CA-16A-4N	Step3, Depth rectified as 1.25"(31.42mm) Step4, Depth rectified as 2.43"(61.80mm) Step5, Depth rectified as 3.56"(90.33mm)	⓿	⓿	⓿
		CA-20A-3C	Step3, Depth rectified as 0.86"(24.00mm) Step4, Depth rectified as 2.41"(61.15mm)	⓿	⓿	⓿
		CA-20A-2N	Step3, Depth & Angle rectified as 1.67"(44.50mm) & 20°	⓿	⓿	⓿
		CA-20A-3N	Step3, Depth rectified as 1.67"(44.50mm) Step4, Depth rectified as 3.27"(83.15mm)	⓿	⓿	⓿
		CA-20A-4N	Step3, Depth rectified as 1.67"(44.50mm) Step4, Depth rectified as 3.25"(82.65mm) Step5, Depth rectified as 4.97"(126.30mm)	⓿	⓿	⓿

SI No.	Library Name	Cavity/Footprint Name	Operation	Dot Inch	MM	Comma MM
2	Direct.Control-ISO 4401:2005	4401-02-01-0-05 4401-03-02-0-05 4401-03-03-0-05 4401-05-04-0-05 4401-05-05-0-05 4401-05-06-0-05 4401-07-07-0-05 4401-08-08-0-05 4401-10-09-0-05	Existing ISO4401:1994 updated per ISO4401:2005 and newly introduced as separate library	❶	❶	❶

R1.011

SI No.	Library Name	Cavity/Footprint Name	Operation	Dot Inch	MM	Comma MM
1	HYDAC Filters	DF-QE/MHE-330-1320	Port IN & OUT swapped	❶	❶	❶
2	HYDAC Filters	QE/OAI-160-280	Port IN & OUT swapped	❶	❶	❶

R1.010

SI No.	Library Name	Cavity/Footprint Name	Operation	Dot Inch	MM	Comma MM
1	HYDAC	FC12-2	Port 2 Depth rectified as 1.006"/25.55mm.	❶	❶	❶
2	HydraForce	VC06-2	Cavity data modified	-	❶	❶
3	Direct.Control-NFPA-T3.5.1	D07	BH5, Y axis location rectified as 15.9	-	❶	❶
4	Slip-In Cartridge-ISO 7368	BC-09-2-A	Port 2 Depth rectified as 2.077"/52.75mm.	❶	❶	❶
5	Rexroth	MSR20KE	Port 2 Dia & Depth rectified as 1.181" / 30mm & 1.614" / 41mm.	❶	❶	❶

R1.009

Sl No.	Library Name	Cavity/Footprint Name	Operation	Dot		Comma
				Inch	MM	MM
1	Parker	C12-3L	Step 6 dia rectified as 0.876.	❶	-	-
2	Pressure Control-ISO 6264	6264-06-09-97	LP3 name rectified as LP	❶	❶	❶
3	HYDAC 2-Way Ball Valves	2-Way BV KHP-10 2-Way BV KHP-16 2-Way BV KHP-20 2-Way BV KHP-25 2-Way BV KHP-32 2-Way BV KHP-40 2-Way BV KHP-50	Newly introduced	❶	❶	❶
4	HYDAC Filters	CF-*-20 CP-SAE 15 CP-SAE 40 DF-MA/MHA-160-280 CP-SAE 120 DF-MA-60-140 DFP 160-280 DFP/DFPF 330-1320 DFP/DFPF 60-140 DFPF 160-280 DF-QE/MHE-330-1320 DF-QE-160-280 DF-QE-30 DF-QE-60-140 HF2P-04-08 HF4P-09-18-27 QE/OAI-160-280	Newly introduced	❶	❶	❶
5	Polyhydron	C-06 C-10 C-20 C-30 CBS20S DPR06 DPR10 DPR20 PPR06	Newly introduced	❶	❶	❶

SI No.	Library Name	Cavity/Footprint Name	Operation	Dot Inch	Dot MM	Comma MM
6	Square Flanges – ISO 6164	250 Bar - DN-10 250 Bar - DN-13 250 Bar - DN-19 250 Bar - DN-25 250 Bar - DN-32 250 Bar - DN-38 250 Bar - DN-51 250 Bar - DN-56 250 Bar - DN-63 400 Bar - DN-10 400 Bar - DN-13 400 Bar - DN-19 400 Bar - DN-25 400 Bar - DN-32 400 Bar - DN-38 400 Bar - DN-51 400 Bar - DN-56 400 Bar - DN-63 400 Bar - DN-70 400 Bar - DN-80	Newly introduced	❶	❶	❶

R1.008

SI No.	Library Name	Cavity/Footprint Name	Operation	Dot Inch	Dot MM	Comma MM
1	Parker	3J	Port 3 Dia & Depth rectified as 0.494 & 0.812.	❶	-	-

R1.007

SI No.	Library Name	Cavity/Footprint Name	Operation	Dot Inch	Dot MM	Comma MM
1	Parker	C16-3	Step 4 Dia. rectified as 1.173.	❶	-	-
2	SAE Flange 518	1" Code 61, 2-1/2" Code 61 1-1/2" Code 62 2" Code 62	Bolt Holes Dia rectified	-	❶	❶

R1.006

Sl No.	Library Name	Cavity/Footprint Name	Operation	Dot Inch	Dot MM	Comma MM
1	HAWE Valve Interface	SLF5	P cavity location rectified as 49.3 mm	⓿	⓿	⓿
2	HAWE SICV Cavities	All Cavities	Missing Machining Sequence "$STEP0" in Diameter Column of Row# 2, added.	⓿	-	-
3	Comp. Flow Control-ISO 6263	6263-02-01-*-97 6263-03-03-*-97 6263-06-05-*-97 6263-06-07-*-97 6263-07-09-*-97 6263-07-11-*-97 6263-08-3-*-97 6263-08-l5*-97	Newly introduced	⓿	⓿	⓿
4	Duplomatic	D-10A D-10 B D-10C D-10D D-10E KT08 KT08U RS2-I RS3-I RS4-I RS5-I RS6-I RSN2-I RSN3-I RSN4-I RSN5-I VR2-I VR5-I VR7-I VSK1 VSK2	Newly introduced	⓿	⓿	⓿

SI No.	Library Name	Cavity/Footprint Name	Operation	Dot Inch	Dot MM	Comma MM
5	Parker	100-1 2R 2X 3A 3C 3K 3M 3X 4C 53-1 54-1 5A 68-1 91-1 C12-3L C12-4L CAV0W-2 CAVSW-3 CAVT21A	Newly introduced	⓿	⓿	⓿
		C04-2	Port 2, depth rectified as 0.423"	⓿	-	-
6	SAE Ports-J1926-1	All Ports	Step2 Depth & Step3 Diameter rectified	⓿	⓿	⓿
7	Screw-In Cartridge-ISO 7789	All Cavities	Spot Face diameter redefined per ISO 6469-1	⓿	⓿	⓿

R1.005

SI No.	Library Name	Cavity/Footprint Name	Operation	Dot		Comma
				Inch	MM	MM
1	Direct.Control-DIN24340 Form A	All Footprints	For Drill Holes, the Max Drill Diameter is defined same as Step 0 Diameter.	⓿	⓿	⓿
2	Direct.Control-DIN24340 Form B	All Footprints		⓿	⓿	⓿
3	Direct. Control-ISO 4401	All Footprints		⓿	⓿	⓿
4	Direct.Control-NFPA-T3.5.1	All Footprints		⓿	⓿	⓿
5	EPS Flanges	All Footprints		-	⓿	-
6	Hawe Valve Interface	All Footprints		-	⓿	⓿
7	Moog	All Footprints		⓿	⓿	⓿
8	Olmsted Flanges	All Footprints		-	⓿	-
9	Pr.Red, Seq, Unload-ISO 5781	All Footprints		⓿	⓿	⓿

10	Pressure Control-ISO 6264	All Footprints		0	0	0
11	Roetelmann Ball Valves	All Footprints		0	0	0
12	SAE Flanges-J518	All Footprints		-	0	0
13	Servo Valve-ISO 10372	All Footprints		0	0	0
14	Slip-In Cartridge-ISO 7368	All Footprints		-	0	0
15	Square Flanges	All Footprints		-	0	-
16	Valve Patterns-NFPA-T3.5.1	All Footprints		0	0	0
17	Eaton	All Footprints		0	0	0
18	Bucher Hydraulics	AGS		-	0	0

R1.004

SI No.	Library Name	Cavity/Footprint Name	Operation	Dot		Comma
				Inch	MM	MM
1	Direct.Control-NFPA-T3.5.1	D02 D03	LP Depth set to 4 mm.	-	0	0
		D07 D08 D10	LP1 & LP2 Depth set to 8 mm.	-	0	0

R1.003

SI No.	Library Name	Cavity/Footprint Name	Operation	Dot		Comma
				Inch	MM	MM
1	Direct. Control-ISO 4401	4401-05-04-0-94 4401-05-05-0-94	Extra Envelope deleted. Start and End point of line segments corrected.	0	0	0
2	BSP Ports-ISO 1179-1	All Ports	Spot face depth is changed to 1 mm and 0.039".	0	0	0
3	BSPT Ports-ISO 1179-1	All Ports	BSPT newly introduced.	0	0	0