



List 16050

EXOPRO® OIL-S-XPF, DIN Overall Length



FORMING HSS-Co V C/1.5P C/2.5P C/4.5P PACKED 1 PIECE



EDP Number	Thread Size	Thread Limit	Chamfer Type	Overall Length	Thread Length	Neck Length	Shank Diameter	Square Width	Square Length	Tap Drill Size	
				L (Inch)	Lc (Inch)	L1 (Inch)	d (Inch)	k (Inch)	lk (Inch)	Min (Inch)	Max (Inch)
1605014204	1/4 - 20 UNC	H4	Modified Bottom (2.5P)	3.150	0.500	1.181	0.255	0.191	0.313	0.225	0.230
1605014216	1/4 - 20 UNC	H6	Bottom (1.5P)	3.150	0.500	1.181	0.255	0.191	0.313	0.225	0.230
1605014206	1/4 - 20 UNC	H6	Modified Bottom (2.5P)	3.150	0.500	1.181	0.255	0.191	0.313	0.225	0.230
1605014246	1/4 - 20 UNC	H6	Plug (4.5P)	3.150	0.500	1.181	0.255	0.191	0.313	0.225	0.230
1605014284	1/4 - 28 UNF	H4	Modified Bottom (2.5P)	3.150	0.500	1.181	0.255	0.191	0.313	0.232	0.235
1605014816	1/4 - 28 UNF	H6	Bottom (1.5P)	3.150	0.500	1.181	0.255	0.191	0.313	0.232	0.235
1605014286	1/4 - 28 UNF	H6	Modified Bottom (2.5P)	3.150	0.500	1.181	0.255	0.191	0.313	0.232	0.235
1605014846	1/4 - 28 UNF	H6	Plug (4.5P)	3.150	0.500	1.181	0.255	0.191	0.313	0.232	0.235
1605056185	5/16 - 18 UNC	H5	Modified Bottom (2.5P)	3.543	0.555	1.378	0.318	0.238	0.375	0.284	0.290
1605051617	5/16 - 18 UNC	H7	Bottom (1.5P)	3.543	0.555	1.378	0.318	0.238	0.375	0.284	0.290
1605056187	5/16 - 18 UNC	H7	Modified Bottom (2.5P)	3.543	0.555	1.378	0.318	0.238	0.375	0.284	0.290
1605051647	5/16 - 18 UNC	H7	Plug (4.5P)	3.543	0.555	1.378	0.318	0.238	0.375	0.284	0.290
1605056245	5/16 - 24 UNF	H5	Modified Bottom (2.5P)	3.543	0.555	1.378	0.318	0.238	0.375	0.291	0.296
1605056217	5/16 - 24 UNF	H7	Bottom (1.5P)	3.543	0.555	1.378	0.318	0.238	0.375	0.291	0.296
1605056247	5/16 - 24 UNF	H7	Modified Bottom (2.5P)	3.543	0.555	1.378	0.318	0.238	0.375	0.291	0.296
1605056447	5/16 - 24 UNF	H7	Plug (4.5P)	3.543	0.555	1.378	0.318	0.238	0.375	0.291	0.296
1605038165	3/8 - 16 UNC	H5	Modified Bottom (2.5P)	3.937	0.626	1.575	0.381	0.286	0.438	0.343	0.350
1605038117	3/8 - 16 UNC	H7	Bottom (1.5P)	3.937	0.626	1.575	0.381	0.286	0.438	0.343	0.350
1605038167	3/8 - 16 UNC	H7	Modified Bottom (2.5P)	3.937	0.626	1.575	0.381	0.286	0.438	0.343	0.350
1605038147	3/8 - 16 UNC	H7	Plug (4.5P)	3.937	0.626	1.575	0.381	0.286	0.438	0.343	0.350
1605038245	3/8 - 24 UNF	H5	Modified Bottom (2.5P)	3.937	0.626	1.575	0.381	0.286	0.438	0.354	0.358
1605038217	3/8 - 24 UNF	H7	Bottom (1.5P)	3.937	0.626	1.575	0.381	0.286	0.438	0.354	0.358
1605038247	3/8 - 24 UNF	H7	Modified Bottom (2.5P)	3.937	0.626	1.575	0.381	0.286	0.438	0.354	0.358
1605038447	3/8 - 24 UNF	H7	Plug (4.5P)	3.937	0.626	1.575	0.381	0.286	0.438	0.354	0.358
1605076145	7/16 - 14 UNC	H5	Modified Bottom (2.5P)	3.937	0.713	1.713	0.323	0.242	0.406	0.401	0.408
1605076118	7/16 - 14 UNC	H8	Bottom (1.5P)	3.937	0.713	1.713	0.323	0.242	0.406	0.401	0.408
1605076148	7/16 - 14 UNC	H8	Modified Bottom (2.5P)	3.937	0.713	1.713	0.323	0.242	0.406	0.401	0.408
1605076448	7/16 - 14 UNC	H8	Plug (4.5P)	3.937	0.713	1.713	0.323	0.242	0.406	0.401	0.408
1605076205	7/16 - 20 UNF	H5	Modified Bottom (2.5P)	3.937	0.713	1.713	0.323	0.242	0.406	0.412	0.417
1605076218	7/16 - 20 UNF	H8	Bottom (1.5P)	3.937	0.713	1.713	0.323	0.242	0.406	0.412	0.417
1605076208	7/16 - 20 UNF	H8	Modified Bottom (2.5P)	3.937	0.713	1.713	0.323	0.242	0.406	0.412	0.417
1605076248	7/16 - 20 UNF	H8	Plug (4.5P)	3.937	0.713	1.713	0.323	0.242	0.406	0.412	0.417
1605012135	1/2 - 13 UNC	H5	Modified Bottom (2.5P)	4.331	0.768	1.933	0.367	0.275	0.438	0.461	0.469
1605012118	1/2 - 13 UNC	H8	Bottom (1.5P)	4.331	0.768	1.933	0.367	0.275	0.438	0.461	0.469
1605012138	1/2 - 13 UNC	H8	Modified Bottom (2.5P)	4.331	0.768	1.933	0.367	0.275	0.438	0.461	0.469
1605012148	1/2 - 13 UNC	H8	Plug (4.5P)	4.331	0.768	1.933	0.367	0.275	0.438	0.461	0.469
1605012205	1/2 - 20 UNF	H5	Modified Bottom (2.5P)	3.937	0.768	1.933	0.367	0.275	0.438	0.475	0.480
1605012218	1/2 - 20 UNF	H8	Bottom (1.5P)	3.937	0.768	1.933	0.367	0.275	0.438	0.475	0.480
1605012208	1/2 - 20 UNF	H8	Modified Bottom (2.5P)	3.937	0.768	1.933	0.367	0.275	0.438	0.475	0.480
1605012248	1/2 - 20 UNF	H8	Plug (4.5P)	3.937	0.768	1.933	0.367	0.275	0.438	0.475	0.480
1605096127	9/16 - 12 UNC	H7	Modified Bottom (2.5P)	4.331	0.835	1.972	0.429	0.322	0.500	0.520	0.529
1605091110	9/16 - 12 UNC	H10	Bottom (1.5P)	4.331	0.835	1.972	0.429	0.322	0.500	0.520	0.529
1605096120	9/16 - 12 UNC	H10	Modified Bottom (2.5P)	4.331	0.835	1.972	0.429	0.322	0.500	0.520	0.529
1605091140	9/16 - 12 UNC	H10	Plug (4.5P)	4.331	0.835	1.972	0.429	0.322	0.500	0.520	0.529
1605096187	9/16 - 18 UNF	H7	Modified Bottom (2.5P)	3.937	0.835	1.972	0.429	0.322	0.500	0.534	0.540
1605091810	9/16 - 18 UNF	H10	Bottom (1.5P)	3.937	0.835	1.972	0.429	0.322	0.500	0.534	0.540
1605096180	9/16 - 18 UNF	H10	Modified Bottom (2.5P)	3.937	0.835	1.972	0.429	0.322	0.500	0.534	0.540
1605091840	9/16 - 18 UNF	H10	Plug (4.5P)	3.937	0.835	1.972	0.429	0.322	0.500	0.534	0.540
1605058117	5/8 - 11 UNC	H7	Modified Bottom (2.5P)	4.331	0.909	2.126	0.480	0.360	0.563	0.579	0.588
1605058150	5/8 - 11 UNC	H10	Bottom (1.5P)	4.331	0.909	2.126	0.480	0.360	0.563	0.579	0.588
1605058110	5/8 - 11 UNC	H10	Modified Bottom (2.5P)	4.331	0.909	2.126	0.480	0.360	0.563	0.579	0.588
1605058140	5/8 - 11 UNC	H10	Plug (4.5P)	4.331	0.909	2.126	0.480	0.360	0.563	0.579	0.588

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked



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List 16050 (Continued)

EXOPRO[®] OIL-S-XPF, DIN Overall Length



FORMING HSS-Co V C/1.5P C/2.5P C/4.5P PACKED 1 PIECE

EDP Number	Thread Size	Thread Limit	Chamfer Type	Overall Length	Thread Length	Neck Length	Shank Diameter	Square Width	Square Length	Tap Drill Size	
				L (Inch)	Lc (Inch)	L1 (Inch)	d (Inch)	k (Inch)	lk (Inch)	Min (Inch)	Max (Inch)
1605058187	5/8 - 18 UNF	H7	Modified Bottom (2.5P)	3.937	0.909	2.126	0.480	0.360	0.563	0.597	0.602
1605058810	5/8 - 18 UNF	H10	Bottom (1.5P)	3.937	0.909	2.126	0.480	0.360	0.563	0.597	0.602
1605058180	5/8 - 18 UNF	H10	Modified Bottom (2.5P)	3.937	0.909	2.126	0.480	0.360	0.563	0.597	0.602
1605058840	5/8 - 18 UNF	H10	Plug (4.5P)	3.937	0.909	2.126	0.480	0.360	0.563	0.597	0.602
1605034107	3/4 - 10 UNC	H7	Modified Bottom (2.5P)	4.921	1.000	2.433	0.590	0.442	0.688	0.699	0.709
1605034110	3/4 - 10 UNC	H10	Bottom (1.5P)	4.921	1.000	2.433	0.590	0.442	0.688	0.699	0.709
1605034100	3/4 - 10 UNC	H10	Modified Bottom (2.5P)	4.921	1.000	2.433	0.590	0.442	0.688	0.699	0.709
1605034140	3/4 - 10 UNC	H10	Plug (4.5P)	4.921	1.000	2.433	0.590	0.442	0.688	0.699	0.709
1605034167	3/4 - 16 UNF	H7	Modified Bottom (2.5P)	4.331	1.000	2.433	0.590	0.442	0.688	0.718	0.725
1605034610	3/4 - 16 UNF	H10	Bottom (1.5P)	4.331	1.000	2.433	0.590	0.442	0.688	0.718	0.725
1605034160	3/4 - 16 UNF	H10	Modified Bottom (2.5P)	4.331	1.000	2.433	0.590	0.442	0.688	0.718	0.725
1605034640	3/4 - 16 UNF	H10	Plug (4.5P)	4.331	1.000	2.433	0.590	0.442	0.688	0.718	0.725
1605078908	7/8 - 9 UNC	H8	Modified Bottom (2.5P)	5.512	1.110	2.654	0.697	0.523	0.750	0.818	0.830
1605078911	7/8 - 9 UNC	H11	Bottom (1.5P)	5.512	1.110	2.654	0.697	0.523	0.750	0.818	0.830
1605078901	7/8 - 9 UNC	H11	Modified Bottom (2.5P)	5.512	1.110	2.654	0.697	0.523	0.750	0.818	0.830
1605078941	7/8 - 9 UNC	H11	Plug (4.5P)	5.512	1.110	2.654	0.697	0.523	0.750	0.818	0.830
1605078148	7/8 - 14 UNF	H8	Modified Bottom (2.5P)	4.920	1.110	2.654	0.697	0.523	0.750	0.839	0.846
1605078149	7/8 - 14 UNF	H8	Plug (4.5P)	4.920	1.110	2.654	0.697	0.523	0.750	0.839	0.846
1605078111	7/8 - 14 UNF	H11	Bottom (1.5P)	4.920	1.110	2.654	0.697	0.523	0.750	0.839	0.846
1605078141	7/8 - 14 UNF	H11	Modified Bottom (2.5P)	4.920	1.110	2.654	0.697	0.523	0.750	0.839	0.846
1605078142	7/8 - 14 UNF	H11	Plug (4.5P)	4.920	1.110	2.654	0.697	0.523	0.750	0.839	0.846
1605001088	1 - 8 UNC	H8	Modified Bottom (2.5P)	6.300	1.252	3.012	0.800	0.600	0.813	0.936	0.949
1605018111	1 - 8 UNC	H11	Bottom (1.5P)	6.300	1.252	3.012	0.800	0.600	0.813	0.936	0.949
1605001081	1 - 8 UNC	H11	Modified Bottom (2.5P)	6.300	1.252	3.012	0.800	0.600	0.813	0.936	0.949
1605018411	1 - 8 UNC	H11	Plug (4.5P)	6.300	1.252	3.012	0.800	0.600	0.813	0.936	0.949
1605001128	1 - 12 UNF	H8	Modified Bottom (2.5P)	5.510	1.252	3.012	0.800	0.600	0.813	0.958	0.966
1605011211	1 - 12 UNF	H11	Bottom (1.5P)	5.510	1.252	3.012	0.800	0.600	0.813	0.958	0.966
1605001121	1 - 12 UNF	H11	Modified Bottom (2.5P)	5.510	1.252	3.012	0.800	0.600	0.813	0.958	0.966
1605011241	1 - 12 UNF	H11	Plug (4.5P)	5.510	1.252	3.012	0.800	0.600	0.813	0.958	0.966
1605011878	1- 1/8 - 7 UNC	H13	Modified Bottom (2.5P)	7.087	0.858	2.835	0.896	0.672	0.875	1.052	1.067
1605011888	1- 1/8 - 8 UN	H11	Modified Bottom (2.5P)	7.087	0.858	2.835	0.896	0.672	0.875	1.061	1.074
1605011826	1- 1/8 - 12 UNF	H11	Modified Bottom (2.5P)	5.906	0.835	2.362	0.896	0.672	0.875	1.083	1.091
1605012578	1- 1/4 - 7 UNC	H13	Modified Bottom (2.5P)	7.087	0.858	2.835	1.021	0.766	1.000	1.177	1.192
1605012588	1- 1/4 - 8 UN	H11	Modified Bottom (2.5P)	7.087	0.858	2.835	1.021	0.766	1.000	1.186	1.199
1605012526	1- 1/4 - 12 UNF	H11	Modified Bottom (2.5P)	5.906	0.835	2.362	1.021	0.766	1.000	1.208	1.216
1605013768	1- 3/8 - 6 UNC	H14	Modified Bottom (2.5P)	7.874	1.000	3.150	1.108	0.831	1.063	1.290	1.307
1605013788	1- 3/8 - 8 UN	H13	Modified Bottom (2.5P)	7.874	1.000	3.150	1.108	0.831	1.063	1.311	1.324
1605013126	1- 3/8 - 12 UNF	H11	Modified Bottom (2.5P)	6.693	0.835	2.677	1.108	0.831	1.063	1.333	1.341
1605011268	1- 1/2 - 6 UNC	H15	Modified Bottom (2.5P)	7.874	1.000	3.150	1.233	0.925	1.125	1.415	1.432
1605011288	1- 1/2 - 8 UN	H13	Modified Bottom (2.5P)	7.874	1.000	3.150	1.233	0.925	1.125	1.436	1.449
1605012126	1- 1/2 - 12 UNF	H11	Modified Bottom (2.5P)	6.693	0.835	2.677	1.233	0.925	1.125	1.458	1.466
1605016288	1- 5/8 - 8 UN	H13	Modified Bottom (2.5P)	7.874	1.000	3.150	1.305	0.979	1.125	1.561	1.574
1605017558	1- 3/4 - 5 UNC	H16	Modified Bottom (2.5P)	8.661	1.201	3.465	1.430	1.072	1.250	1.648	1.668
1605017588	1- 3/4 - 8 UN	H13	Modified Bottom (2.5P)	7.874	1.201	3.150	1.430	1.072	1.250	1.686	1.699

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked



P					M			K	N		S		H			
Steel					Stainless Steel			Cast Iron	Non-Ferrous		HRSA		Hardened Steel			
Carbon Steel			Alloy Steel	Die Steel	300	400	17-4 PH		Aluminum		Nickel Alloy	Titanium				
Low	Medium	High							6061	Casting			Inconel	6Al4V	~35 HRC	35-45 HRC
1010	1035	1065	4140													
1018	1045		4340													
○	○	○	○	○	○*	○*	○*		○	○	○	○	○	○		
75-130SFM	75-130SFM	65-100SFM	65-100SFM	20-65SFM	20-50SFM	20-45SFM	15-40SFM		80-130SFM	75-110SFM	8-10SFM	8-10SFM	50-100SFM	8-20SFM		

*For Stainless Steel, please use non-water-soluble coolant or highly concentrated water-soluble coolant.

○ Good ○ Best



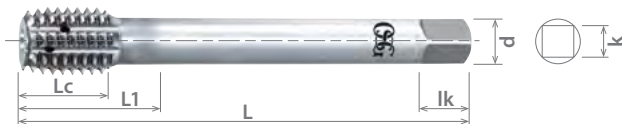


List 16150

EXOPRO[®] OIL-S-XPF, DIN Overall Length



FORMING	HSS-Co	V					PACKED
			C/1.5P	C/2.5P	C/4.5P		1 PIECE



ABOUT OSG

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EDP Number	Thread Size	Thread Limit	Chamfer Type	Overall Length	Thread Length	Neck Length	Shank Diameter	Square Width	Square Length	Tap Drill Size	
				L (mm)	Lc (mm)	L1 (mm)	d (mm)	k (mm)	lk (mm)	Min (mm)	Max (mm)
1615006754	M6 x 0.75	D4	Modified Bottom (2.5P)	80.00	10.00	30.00	6.48	4.85	7.94	5.62	5.69
16150067517	M6 x 0.75	D7	Bottom (1.5P)	80.00	10.00	30.00	6.48	4.85	7.94	5.62	5.69
1615006757	M6 x 0.75	D7	Modified Bottom (2.5P)	80.00	10.00	30.00	6.48	4.85	7.94	5.62	5.69
16150067547	M6 x 0.75	D7	Plug (4.5P)	80.00	10.00	30.00	6.48	4.85	7.94	5.62	5.69
1615006015	M6 x 1	D5	Modified Bottom (2.5P)	80.00	10.00	30.00	6.48	4.85	7.94	5.49	5.59
16150060118	M6 x 1	D8	Bottom (1.5P)	80.00	10.00	30.00	6.48	4.85	7.94	5.49	5.59
1615006018	M6 x 1	D8	Modified Bottom (2.5P)	80.00	10.00	30.00	6.48	4.85	7.94	5.49	5.59
1615006148	M6 x 1	D8	Plug (4.5P)	80.00	10.00	30.00	6.48	4.85	7.94	5.49	5.59
1615007015	M7 x 1	D5	Modified Bottom (2.5P)	80.00	12.00	30.00	8.08	6.05	9.53	6.49	6.59
1615070118	M7 x 1	D8	Bottom (1.5P)	80.00	12.00	30.00	8.08	6.05	9.53	6.49	6.59
1615007018	M7 x 1	D8	Modified Bottom (2.5P)	80.00	12.00	30.00	8.08	6.05	9.53	6.49	6.59
1615070148	M7 x 1	D8	Plug (4.5P)	80.00	12.00	30.00	8.08	6.05	9.53	6.49	6.59
1615008754	M8 x 0.75	D4	Modified Bottom (2.5P)	80.00	12.00	30.00	8.08	6.05	9.53	7.62	7.69
1615087517	M8 x 0.75	D7	Bottom (1.5P)	80.00	12.00	30.00	8.08	6.05	9.53	7.62	7.69
1615008757	M8 x 0.75	D7	Modified Bottom (2.5P)	80.00	12.00	30.00	8.08	6.05	9.53	7.62	7.69
1615087547	M8 x 0.75	D7	Plug (4.5P)	80.00	12.00	30.00	8.08	6.05	9.53	7.62	7.69
1615008015	M8 x 1	D5	Modified Bottom (2.5P)	90.00	12.00	35.00	8.08	6.05	9.53	7.49	7.59
1615080118	M8 x 1	D8	Bottom (1.5P)	90.00	12.00	35.00	8.08	6.05	9.53	7.49	7.59
1615008018	M8 x 1	D8	Modified Bottom (2.5P)	90.00	12.00	35.00	8.08	6.05	9.53	7.49	7.59
1615080148	M8 x 1	D8	Plug (4.5P)	90.00	12.00	35.00	8.08	6.05	9.53	7.49	7.59
1615008255	M8 x 1.25	D5	Modified Bottom (2.5P)	90.00	12.00	35.00	8.08	6.05	9.53	7.36	7.49
1615081219	M8 x 1.25	D9	Bottom (1.5P)	90.00	12.00	35.00	8.08	6.05	9.53	7.36	7.49
1615008259	M8 x 1.25	D9	Modified Bottom (2.5P)	90.00	12.00	35.00	8.08	6.05	9.53	7.36	7.49
1615081249	M8 x 1.25	D9	Plug (4.5P)	90.00	12.00	35.00	8.08	6.05	9.53	7.36	7.49
1615010015	M10 x 1	D5	Modified Bottom (2.5P)	90.00	15.00	35.00	9.68	7.26	11.11	9.49	9.59
1615010118	M10 x 1	D8	Bottom (1.5P)	90.00	15.00	35.00	9.68	7.26	11.11	9.49	9.59
1615010018	M10 x 1	D8	Modified Bottom (2.5P)	90.00	15.00	35.00	9.68	7.26	11.11	9.49	9.59
1615010148	M10 x 1	D8	Plug (4.5P)	90.00	15.00	35.00	9.68	7.26	11.11	9.49	9.59
1615010255	M10 x 1.25	D5	Modified Bottom (2.5P)	100.00	15.00	39.00	9.68	7.26	11.11	9.36	9.49
1615010119	M10 x 1.25	D9	Bottom (1.5P)	100.00	15.00	39.00	9.68	7.26	11.11	9.36	9.49
1615010259	M10 x 1.25	D9	Modified Bottom (2.5P)	100.00	15.00	39.00	9.68	7.26	11.11	9.36	9.49
1615010149	M10 x 1.25	D9	Plug (4.5P)	100.00	15.00	39.00	9.68	7.26	11.11	9.36	9.49
1615010156	M10 x 1.5	D6	Modified Bottom (2.5P)	100.00	15.00	39.00	9.68	7.26	11.11	9.24	9.39
1615010110	M10 x 1.5	D10	Bottom (1.5P)	100.00	15.00	39.00	9.68	7.26	11.11	9.24	9.39
1615010150	M10 x 1.5	D10	Modified Bottom (2.5P)	100.00	15.00	39.00	9.68	7.26	11.11	9.24	9.39
1615010140	M10 x 1.5	D10	Plug (4.5P)	100.00	15.00	39.00	9.68	7.26	11.11	9.24	9.39
1615012106	M12 x 1	D6	Modified Bottom (2.5P)	100.00	17.00	49.10	9.32	6.99	11.11	11.49	11.59
1615012110	M12 x 1	D10	Bottom (1.5P)	100.00	17.00	49.10	9.32	6.99	11.11	11.49	11.59
1615012100	M12 x 1	D10	Modified Bottom (2.5P)	100.00	17.00	49.10	9.32	6.99	11.11	11.49	11.59
1615012140	M12 x 1	D10	Plug (4.5P)	100.00	17.00	49.10	9.32	6.99	11.11	11.49	11.59
1615012256	M12 x 1.25	D6	Modified Bottom (2.5P)	100.00	17.00	49.10	9.32	6.99	11.11	11.36	11.49
1615012210	M12 x 1.25	D10	Bottom (1.5P)	100.00	17.00	49.10	9.32	6.99	11.11	11.36	11.49
1615012250	M12 x 1.25	D10	Modified Bottom (2.5P)	100.00	17.00	49.10	9.32	6.99	11.11	11.36	11.49
1615012240	M12 x 1.25	D10	Plug (4.5P)	100.00	17.00	49.10	9.32	6.99	11.11	11.36	11.49
1615012156	M12 x 1.5	D6	Modified Bottom (2.5P)	100.00	17.00	49.10	9.32	6.99	11.11	11.24	11.39
1615012111	M12 x 1.5	D11	Bottom (1.5P)	100.00	17.00	49.10	9.32	6.99	11.11	11.24	11.39
1615012151	M12 x 1.5	D11	Modified Bottom (2.5P)	100.00	17.00	49.10	9.32	6.99	11.11	11.24	11.39
1615012141	M12 x 1.5	D11	Plug (4.5P)	100.00	17.00	49.10	9.32	6.99	11.11	11.24	11.39
1615012756	M12 x 1.75	D6	Modified Bottom (2.5P)	110.00	17.00	49.10	9.32	6.99	11.11	11.11	11.29
1615012711	M12 x 1.75	D11	Bottom (1.5P)	110.00	17.00	49.10	9.32	6.99	11.11	11.11	11.29
1615010751	M12 x 1.75	D11	Modified Bottom (2.5P)	110.00	17.00	49.10	9.32	6.99	11.11	11.11	11.29
1615012541	M12 x 1.75	D11	Plug (4.5P)	110.00	17.00	49.10	9.32	6.99	11.11	11.11	11.29

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked





List 16150 (Continued)

EXOPRO® OIL-S-XPF, DIN Overall Length



FORMING	HSS-Co	V					PACKED 1 PIECE
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EDP Number	Thread Size	Thread Limit	Chamfer Type	Overall Length	Thread Length	Neck Length	Shank Diameter	Square Width	Square Length	Tap Drill Size	
				L (mm)	Lc (mm)	L1 (mm)	d (mm)	k (mm)	lk (mm)	Min (mm)	Max (mm)
1615014156	M14 x 1.5	D6	Modified Bottom (2.5P)	100.00	20.00	50.10	10.90	8.18	12.70	13.24	13.39
1615014511	M14 x 1.5	D11	Bottom (1.5P)	100.00	20.00	50.10	10.90	8.18	12.70	13.24	13.39
1615014151	M14 x 1.5	D11	Modified Bottom (2.5P)	100.00	20.00	50.10	10.90	8.18	12.70	13.24	13.39
1615014541	M14 x 1.5	D11	Plug (4.5P)	100.00	20.00	50.10	10.90	8.18	12.70	13.24	13.39
1615014027	M14 x 2	D7	Modified Bottom (2.5P)	110.00	20.00	50.10	10.90	8.18	12.70	12.98	13.18
1615014212	M14 x 2	D12	Bottom (1.5P)	110.00	20.00	50.10	10.90	8.18	12.70	12.98	13.18
1615014022	M14 x 2	D12	Modified Bottom (2.5P)	110.00	20.00	50.10	10.90	8.18	12.70	12.98	13.18
1615014242	M14 x 2	D12	Plug (4.5P)	110.00	20.00	50.10	10.90	8.18	12.70	12.98	13.18
1615016152	M16 x 1.5	D6	Modified Bottom (2.5P)	100.00	20.00	54.00	12.19	9.14	14.29	15.24	15.39
1615016111	M16 x 1.5	D11	Bottom (1.5P)	100.00	20.00	54.00	12.19	9.14	14.29	15.24	15.39
1615016151	M16 x 1.5	D11	Modified Bottom (2.5P)	100.00	20.00	54.00	12.19	9.14	14.29	15.24	15.39
1615016141	M16 x 1.5	D11	Plug (4.5P)	100.00	20.00	54.00	12.19	9.14	14.29	15.24	15.39
1615016207	M16 x 2	D7	Modified Bottom (2.5P)	110.00	20.00	54.00	12.19	9.14	14.29	14.98	15.18
1615016212	M16 x 2	D12	Bottom (1.5P)	110.00	20.00	54.00	12.19	9.14	14.29	14.98	15.18
1615016202	M16 x 2	D12	Modified Bottom (2.5P)	110.00	20.00	54.00	12.19	9.14	14.29	14.98	15.18
1615016242	M16 x 2	D12	Plug (4.5P)	110.00	20.00	54.00	12.19	9.14	14.29	14.98	15.18
1615018156	M18 x 1.5	D6	Modified Bottom (2.5P)	110.00	25.00	55.00	13.77	10.31	15.88	17.24	17.39
1615018111	M18 x 1.5	D11	Bottom (1.5P)	110.00	25.00	55.00	13.77	10.31	15.88	17.24	17.39
1615018151	M18 x 1.5	D11	Modified Bottom (2.5P)	110.00	25.00	55.00	13.77	10.31	15.88	17.24	17.39
1615018141	M18 x 1.5	D11	Plug (4.5P)	110.00	25.00	55.00	13.77	10.31	15.88	17.24	17.39
1615018257	M18 x 2.5	D7	Modified Bottom (2.5P)	125.00	25.00	55.00	13.77	10.31	15.88	16.73	16.98
1615018212	M18 x 2.5	D12	Bottom (1.5P)	125.00	25.00	55.00	13.77	10.31	15.88	16.73	16.98
1615018252	M18 x 2.5	D12	Modified Bottom (2.5P)	125.00	25.00	55.00	13.77	10.31	15.88	16.73	16.98
1615018242	M18 x 2.5	D12	Plug (4.5P)	125.00	25.00	55.00	13.77	10.31	15.88	16.73	16.98
1615020156	M20 x 1.5	D6	Modified Bottom (2.5P)	125.00	25.00	61.80	16.56	12.42	17.46	19.24	19.39
1615020111	M20 x 1.5	D11	Bottom (1.5P)	125.00	25.00	61.80	16.56	12.42	17.46	19.24	19.39
1615020151	M20 x 1.5	D11	Modified Bottom (2.5P)	125.00	25.00	61.80	16.56	12.42	17.46	19.24	19.39
1615020141	M20 x 1.5	D11	Plug (4.5P)	125.00	25.00	61.80	16.56	12.42	17.46	19.24	19.39
1615020257	M20 x 2.5	D7	Modified Bottom (2.5P)	140.00	25.00	61.80	16.56	12.42	17.46	18.73	18.98
1615020212	M20 x 2.5	D12	Bottom (1.5P)	140.00	25.00	61.80	16.56	12.42	17.46	18.73	18.98
1615020252	M20 x 2.5	D12	Modified Bottom (2.5P)	140.00	25.00	61.80	16.56	12.42	17.46	18.73	18.98
1615020242	M20 x 2.5	D12	Plug (4.5P)	140.00	25.00	61.80	16.56	12.42	17.46	18.73	18.98
1615022156	M22 x 1.5	D6	Modified Bottom (2.5P)	125.00	25.00	67.40	17.70	13.28	19.05	21.24	21.39
1615022111	M22 x 1.5	D11	Bottom (1.5P)	125.00	25.00	67.40	17.70	13.28	19.05	21.24	21.39
1615022151	M22 x 1.5	D11	Modified Bottom (2.5P)	125.00	25.00	67.40	17.70	13.28	19.05	21.24	21.39
1615022141	M22 x 1.5	D11	Plug (4.5P)	125.00	25.00	67.40	17.70	13.28	19.05	21.24	21.39
1615022207	M22 x 2	D7	Modified Bottom (2.5P)	140.00	25.00	67.40	17.70	13.28	19.05	20.98	21.18
1615022212	M22 x 2	D12	Bottom (1.5P)	140.00	25.00	67.40	17.70	13.28	19.05	20.98	21.18
1615022202	M22 x 2	D12	Modified Bottom (2.5P)	140.00	25.00	67.40	17.70	13.28	19.05	20.98	21.18
1615022242	M22 x 2	D12	Plug (4.5P)	140.00	25.00	67.40	17.70	13.28	19.05	20.98	21.18
1615022257	M22 x 2.5	D7	Modified Bottom (2.5P)	140.00	25.00	67.40	17.70	13.28	19.05	20.73	20.98
1615022512	M22 x 2.5	D12	Bottom (1.5P)	140.00	25.00	67.40	17.70	13.28	19.05	20.73	20.98
1615022252	M22 x 2.5	D12	Modified Bottom (2.5P)	140.00	25.00	67.40	17.70	13.28	19.05	20.73	20.98
1615022542	M22 x 2.5	D12	Plug (4.5P)	140.00	25.00	67.40	17.70	13.28	19.05	20.73	20.98
1615024156	M24 x 1.5	D6	Modified Bottom (2.5P)	140.00	25.00	68.40	19.30	14.48	19.05	23.24	23.39
1615024111	M24 x 1.5	D11	Bottom (1.5P)	140.00	25.00	68.40	19.30	14.48	19.05	23.24	23.39
1615024151	M24 x 1.5	D11	Modified Bottom (2.5P)	140.00	25.00	68.40	19.30	14.48	19.05	23.24	23.39

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked



CONTINUED ➔

P					M			K	N		S		H						
Steel					Stainless Steel			Cast Iron	Non-Ferrous		HRSA		Hardened Steel						
Carbon Steel			Alloy Steel	Die Steel	300	400	17-4 PH		Aluminum		Nickel Alloy	Titanium	Hardened Steel						
Low	Medium	High							6061	7075			Casting	Inconel	6Al4V (30 HRC)	~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC
1010	1035	1065	4140	4340	○*	○*	○*	○	○	○	○	○	○	○	○	○	○	○	○
1018	1045	1065	4140	4340	○*	○*	○*	○	○	○	○	○	○	○	○	○	○	○	○
75-130 SFM	75-130 SFM	65-100 SFM	65-100 SFM	20-65 SFM	20-50 SFM	20-45 SFM	15-40 SFM		80-130 SFM	75-110 SFM	8-10 SFM	8-10 SFM	50-100 SFM	8-20 SFM					

*For Stainless Steel, please use non-water-soluble coolant or highly concentrated water-soluble coolant.

○ Good ○ Best





List 16150 (Continued)

EXOPRO® OIL-S-XPF, DIN Overall Length



FORMING

HSS-Co

V



C/1.5P

C/2.5P

C/4.5P

PACKED
1 PIECE

EDP Number	Thread Size	Thread Limit	Chamfer Type	Overall Length	Thread Length	Neck Length	Shank Diameter	Square Width	Square Length	Tap Drill Size	
				L (mm)	Lc (mm)	L1 (mm)	d (mm)	k (mm)	lk (mm)	Min (mm)	Max (mm)
1615024141	M24 x 1.5	D11	Plug (4.5P)	140.00	25.00	68.40	19.30	14.48	19.05	23.24	23.39
1615024207	M24 x 2	D7	Modified Bottom (2.5P)	140.00	30.00	68.40	19.30	14.48	19.05	22.98	23.18
1615024223	M24 x 2	D13	Bottom (1.5P)	140.00	30.00	68.40	19.30	14.48	19.05	22.98	23.18
1615024203	M24 x 2	D13	Modified Bottom (2.5P)	140.00	30.00	68.40	19.30	14.48	19.05	22.98	23.18
1615024243	M24 x 2	D13	Plug (4.5P)	140.00	30.00	68.40	19.30	14.48	19.05	22.98	23.18
1615024309	M24 x 3	D9	Modified Bottom (2.5P)	160.00	30.00	68.40	19.30	14.48	19.05	22.47	22.78
1615024349	M24 x 3	D9	Plug (4.5P)	160.00	30.00	68.40	19.30	14.48	19.05	22.47	22.78
1615024315	M24 x 3	D15	Bottom (1.5P)	160.00	30.00	68.40	19.30	14.48	19.05	22.47	22.78
1615024305	M24 x 3	D15	Modified Bottom (2.5P)	160.00	30.00	68.40	19.30	14.48	19.05	22.47	22.78
1615024345	M24 x 3	D15	Plug (4.5P)	160.00	30.00	68.40	19.30	14.48	19.05	22.47	22.78
1615027309	M27 x 3	D15	Modified Bottom (2.5P)	160.00	18.00	64.00	22.76	17.07	22.23	25.47	25.78
1615030350	M30 x 3.5	D15	Modified Bottom (2.5P)	180.00	21.00	72.00	25.93	19.46	25.40	28.22	28.57
1615033350	M33 x 3.5	D16	Modified Bottom (2.5P)	180.00	21.00	72.00	28.14	21.11	26.99	31.22	31.57
1615036411	M36 x 4	D17	Modified Bottom (2.5P)	200.00	24.00	80.00	31.32	23.50	28.58	33.96	34.37
1615042451	M42 x 4.5	D17	Modified Bottom (2.5P)	200.00	27.00	80.00	36.32	27.23	31.75	39.71	40.16
1615045451	M45 x 4.5	D17	Modified Bottom (2.5P)	220.00	27.00	88.00	38.58	28.93	31.75	42.41	43.16

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked



P					M			K	N		S		H				
Steel					Stainless Steel				Cast Iron	Non-Ferrous		HRSA		Hardened Steel			
Carbon Steel			Alloy Steel	Die Steel						Aluminum		Nickel Alloy	Titanium				
Low	Medium	High			300	400	17-4 PH	6061 7075	Casting	Inconel	6Al4V (30 HRC)			~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC
1010	1035	1065	4140	4340	300	400	17-4 PH	6061 7075	Casting	Inconel	6Al4V (30 HRC)	~35 HRC	35-45 HRC	45-50 HRC	50-70 HRC		
○	○	○	○	○	○*	○*	○*	○	○	○	○	○	○	○	○		
75-130 SFM	75-130 SFM	65-100 SFM	65-100 SFM	20-65 SFM	20-50 SFM	20-45 SFM	15-40 SFM	80-130 SFM	75-110 SFM	8-10 SFM	8-10 SFM	50-100 SFM	8-20 SFM				

*For Stainless Steel, please use non-water-soluble coolant or highly concentrated water-soluble coolant.

○ Good ○ Best

