




Grease Fittings

Thread these fittings into motors, bearings, engine blocks, and other machinery to create a lubrication point. They're also known as hydraulic grease fittings.

Zinc-plated steel fittings have mild corrosion resistance. **Brass** fittings resist corrosion better than zinc-plated steel fittings, **303 stainless steel** fittings are more corrosion resistant than brass fittings and have good chemical resistance. **316 stainless steel** fittings resist corrosion and chemicals better than 303 stainless steel fittings and can be used in saltwater environments.

Fittings with a **check valve** prevent grease from leaking when pressure causes backward flow. The valve stays closed when not in use to keep out dirt and other contaminants.

 For technical drawings and 3-D models, click on a part number.

Straight with Male Threads



Straight with
Male
Threads

Material	Overall Ht.	Thread Lg.	Shank Lg.	Hex Size	Max. Pressure, psi	Check Valve Type	Specifications Met	Pkg. Qty.	Pkg.		
									1-9	10-Up	
M5 × 0.8 mm Metric Threads											
Zinc-Plated Steel	15mm	5.5mm	5.5mm	7mm	10,000	Ball	DIN 71412	10	1105K13	\$12.08	\$10.36
Brass	15mm	5.5mm	5.5mm	7mm	1,450	Ball	DIN 71412	5	3088K102	7.86	6.88
303 Stainless Steel	15mm	5.5mm	5.5mm	7mm	10,000	Ball	DIN 71412	1	2250K24	3.32	2.85
M6 × 0.75 mm Metric Threads											
Zinc-Plated Steel	15mm	5.5mm	5.5mm	7mm	10,000	Ball	DIN 71412	10	1105K16	4.87	4.17
Zinc-Plated Steel	24mm	6mm	14mm	7mm	10,000	Ball	DIN 71412	5	1095K106	13.93	12.19
Brass	15mm	5.5mm	5.5mm	7mm	1,450	Ball	DIN 71412	5	3088K103	8.22	7.19
303 Stainless Steel	15mm	5.5mm	5.5mm	7mm	10,000	Ball	DIN 71412	1	2250K25	3.32	2.85
M6 × 1 mm Metric Threads											
Zinc-Plated Steel	14mm	5.4mm	5.4mm	7mm	8,000	Ball	DIN 71412	10	1105K71	4.44	3.83
Zinc-Plated Steel	17.3mm	5.6mm	8.5mm	7mm	1,450	Ball	DIN 71412	10	1095K107	5.49	4.80
Zinc-Plated Steel	24mm	6mm	14mm	7mm	10,000	Ball	DIN 71412	10	1105K11	18.61	15.95
Zinc-Plated Steel	29mm	8.3mm	19mm	7mm	10,000	Ball	DIN 71412	5	1105K21	11.00	9.62
Zinc-Plated Steel	41mm	6mm	31mm	7mm	10,000	Ball	DIN 71412	1	1105K31	4.50	3.82
Brass	14mm	4mm	4mm	7mm	10,000	Ball	DIN 71412	5	3088K21	7.12	6.10
303 Stainless Steel	13mm	5.2mm	5.2mm	7mm	8,000	Ball	DIN 71412	3	2250K11	7.15	6.12
316 Stainless Steel	15mm	5.5mm	5.5mm	7mm	1,450	Ball	DIN 71412	1	4315N12	8.74	7.64
M7 × 1 mm Metric Threads											
Zinc-Plated Steel	15mm	5.5mm	5.5mm	9mm	1,450	Ball	DIN 71412	10	1095K108	3.87	3.39
M8 × 0.75 mm Metric Threads											
Zinc-Plated Steel	15mm	5.5mm	5.5mm	9mm	1,450	Ball	DIN 71412	10	1095K109	3.91	3.43
M8 × 1 mm Metric Threads											
Zinc-Plated Steel	15mm	5.6mm	5.6mm	9mm	8,000	Ball	DIN 71412	10	1105K72	6.32	5.45
Zinc-Plated Steel	18.5mm	8.5mm	8.5mm	9mm	1,450	Ball	DIN 71412	10	1095K111	5.76	5.04
Brass	15mm	5.5mm	5.5mm	9mm	10,000	Ball	DIN 71412	5	3088K26	7.59	6.51
303 Stainless Steel	15mm	5.8mm	5.8mm	9mm	8,000	Ball	DIN 71412	1	2250K14	3.83	3.28
316 Stainless Steel	15mm	5.5mm	5.5mm	9mm	1,450	Ball	DIN 71412	1	4315N13	9.17	8.03
M8 × 1.25 mm Metric Threads											
Zinc-Plated Steel	15mm	5.8mm	5.8mm	9mm	8,000	Ball	DIN 71412	10	1105K81	6.44	5.55
Brass	15mm	5.5mm	5.5mm	9mm	10,000	Ball	DIN 71412	5	3088K27	7.59	6.51
303 Stainless Steel	15mm	5.8mm	5.8mm	9mm	8,000	Ball	DIN 71412	1	2250K21	4.42	3.79
316 Stainless Steel	15mm	5.5mm	5.5mm	9mm	1,450	Ball	DIN 71412	1	4315N14	9.17	8.03
M10 × 1 mm Metric Threads											
Zinc-Plated Steel	15mm	5.9mm	5.9mm	11mm	8,000	Ball	DIN 71412	10	1105K73	7.28	6.28
Brass	15mm	5.5mm	5.5mm	11mm	10,000	Ball	DIN 71412	5	3088K45	9.49	8.13
303 Stainless Steel	15mm	5.8mm	5.8mm	11mm	8,000	Ball	DIN 71412	1	2250K17	4.66	3.99
316 Stainless Steel	15mm	5.5mm	5.5mm	11mm	1,450	Ball	DIN 71412	1	4315N15	9.71	8.49
M10 × 1.25 mm Metric Threads											
Zinc-Plated Steel	15mm	5.5mm	5.5mm	11mm	1,450	Ball	DIN 71412	10	1095K112	5.16	4.52
M10 × 1.5 mm Metric Threads											
Zinc-Plated Steel	15mm	5.9mm	5.9mm	11mm	8,000	Ball	DIN 71412	10	1105K82	10.76	9.28
Brass	15mm	5.5mm	5.5mm	11mm	1,450	Ball	DIN 71412	5	3088K104	11.92	10.43
303 Stainless Steel	15mm	5.5mm	5.5mm	11mm	1,450	Ball	DIN 71412	1	2250K28	2.09	1.83
316 Stainless Steel	15mm	5.5mm	5.5mm	11mm	10,000	Ball	DIN 71412	1	2250K26	11.32	9.71
M12 × 1 mm Metric Threads											
Zinc-Plated Steel	18mm	6.5mm	6.5mm	14mm	10,000	Ball	DIN 71412	10	1105K41	19.28	16.53
M12 × 1.25 mm Metric Threads											
Zinc-Plated Steel	17.5mm	6.5mm	6.5mm	14mm	1,450	Ball	DIN 71412	10	1095K113	15.15	13.26
M12 × 1.5 mm Metric Threads											
Zinc-Plated Steel	18mm	6.5mm	6.5mm	14mm	10,000	Ball	DIN 71412	5	1105K51	11.01	9.43
303 Stainless Steel	17.5mm	6.5mm	6.5mm	14mm	1,450	Ball	DIN 71412	1	2250K29	7.66	6.70
M12 × 1.75 mm Metric Threads											
Zinc-Plated Steel	17.5mm	6.5mm	6.5mm	14mm	1,450	Ball	DIN 71412	5	1095K114	6.18	5.41
M14 × 1.5 mm Metric Threads											

Material	Overall Ht.	Thread Lg.	Shank Lg.	Hex Size	Max. Pressure, psi	Check Valve Type	Specifications Met	Pkg. Qty.	Pkg.		
									1-9	10-Up	
Zinc-Plated Steel	18mm	6.5mm	6.5mm	14mm	10,000	Ball	DIN 71412	5	1105K61	10.75	9.09
M14 × 2 mm Metric Threads											
Zinc-Plated Steel	17.5mm	6.5mm	6.5mm	14mm	1,450	Ball	DIN 71412	5	1095K115	8.99	7.87
M16 × 1.5 mm Metric Threads											
Zinc-Plated Steel	18mm	7mm	7mm	17mm	1,450	Ball	DIN 71412	5	1095K116	10.67	9.34

90° Elbow with Male Threads



Material	Overall Ht.	Thread Lg.	Shank Lg.	Hex Size	Max. Pressure, psi	Check Valve Type	Specifications Met	Pkg. Qty.	Pkg.		
									1-9	10-Up	
M5 × 0.8 mm Metric Threads											
Zinc-Plated Steel	18mm	5.5mm	5.5mm	9mm	1,450	Ball	DIN 71412	10	1095K124	\$14.58	\$12.76
M6 × 0.75 mm Metric Threads											
Zinc-Plated Steel	18mm	5.5mm	5.5mm	9mm	10,000	Ball	DIN 71412	10	1105K18	17.01	14.58
M6 × 1 mm Metric Threads											
Zinc-Plated Steel	18mm	5.5mm	5.5mm	9mm	8,000	Ball	DIN 71412	10	1105K76	11.68	10.07
Brass	18mm	5.5mm	5.5mm	9mm	10,000	Ball	DIN 71412	5	3088K24	17.07	14.63
303 Stainless Steel	18mm	5.6mm	5.6mm	9mm	8,000	Ball	DIN 71412	3	2250K13	21.54	18.30
316 Stainless Steel	18mm	5.5mm	5.5mm	9mm	1,450	Ball	DIN 71412	1	4315N18	19.26	16.85
M7 × 1 mm Metric Threads											
Zinc-Plated Steel	18mm	5.5mm	5.5mm	9mm	1,450	Ball	DIN 71412	10	1095K125	10.74	9.40
M8 × 0.75 mm Metric Threads											
Zinc-Plated Steel	18mm	5.5mm	5.5mm	9mm	1,450	Ball	DIN 71412	10	1095K126	11.51	10.07
M8 × 1 mm Metric Threads											
Zinc-Plated Steel	18mm	5.5mm	5.5mm	9mm	8,000	Ball	DIN 71412	10	1105K77	11.68	10.07
Brass	18mm	5.5mm	5.5mm	9mm	10,000	Ball	DIN 71412	1	3088K35	3.41	2.93
303 Stainless Steel	18mm	5.6mm	5.6mm	9mm	8,000	Ball	DIN 71412	1	2250K16	8.61	7.31
M8 × 1.25 mm Metric Threads											
Zinc-Plated Steel	18mm	5.6mm	5.6mm	9mm	8,000	Ball	DIN 71412	10	1105K85	11.68	10.07
Brass	18mm	5.5mm	5.5mm	9mm	10,000	Ball	DIN 71412	3	3088K39	10.24	8.78
303 Stainless Steel	18mm	5.5mm	5.5mm	9mm	8,000	Ball	DIN 71412	1	2250K23	8.74	7.51
M10 × 1 mm Metric Threads											
Zinc-Plated Steel	19mm	5.6mm	5.6mm	11mm	8,000	Ball	DIN 71412	10	1105K79	12.96	11.17
Brass	20mm	5.5mm	5.5mm	11mm	10,000	Ball	DIN 71412	3	3088K49	11.81	10.12
303 Stainless Steel	19mm	5.6mm	5.6mm	11mm	8,000	Ball	DIN 71412	1	2250K19	8.60	7.37
M10 × 1.25 mm Metric Threads											
Zinc-Plated Steel	20mm	5.5mm	5.5mm	11mm	1,450	Ball	DIN 71412	10	1095K127	11.91	10.42
M10 × 1.5 mm Metric Threads											
Zinc-Plated Steel	21mm	6.9mm	6.9mm	11mm	8,000	Ball	DIN 71412	10	1105K86	16.52	14.24
303 Stainless Steel	20mm	5.5mm	5.5mm	11mm	1,450	Ball	DIN 71412	1	2250K31	6.51	5.70
M12 × 1 mm Metric Threads											
Zinc-Plated Steel	22mm	6.5mm	6.5mm	14mm	10,000	Ball	DIN 71412	5	1105K43	10.76	9.10
M12 × 1.5 mm Metric Threads											
Zinc-Plated Steel	22mm	6.5mm	6.5mm	14mm	10,000	Ball	DIN 71412	5	1105K53	14.19	12.16
M12 × 1.75 mm Metric Threads											
Zinc-Plated Steel	22mm	6.5mm	6.5mm	14mm	1,450	Ball	DIN 71412	5	1095K128	15.05	13.17
M14 × 1.5 mm Metric Threads											
Zinc-Plated Steel	22mm	6.5mm	6.5mm	14mm	1,450	Ball	DIN 71412	5	1095K129	15.60	13.65
M14 × 2 mm Metric Threads											
Zinc-Plated Steel	22mm	6.5mm	6.5mm	14mm	1,450	Ball	DIN 71412	5	1095K131	19.50	17.06

67° Elbow with Male Threads



Material	Overall Ht.	Thread Lg.	Shank Lg.	Hex Size	Max. Pressure, psi	Check Valve Type	Specifications Met	Pkg. Qty.	Pkg.		
									1-9	10-Up	
M6 × 1 mm Metric Threads											
Zinc-Plated Steel	20.5mm	5.5mm	5.5mm	9mm	1,450	Ball	DIN 71412	10	1095K133	\$12.53	\$10.97
M8 × 1 mm Metric Threads											
Zinc-Plated Steel	20.5mm	5.5mm	5.5mm	9mm	1,450	Ball	DIN 71412	10	1095K134	12.53	10.97
M8 × 1.25 mm Metric Threads											
Zinc-Plated Steel	20.5mm	5.5mm	5.5mm	9mm	1,450	Ball	DIN 71412	10	1095K135	12.53	10.97
M10 × 1 mm Metric Threads											
Zinc-Plated Steel	25mm	5.5mm	5.5mm	11mm	1,450	Ball	DIN 71412	10	1095K136	18.38	16.09

45° Elbow with Male Threads



Material	Overall Ht.	Thread Lg.	Shank Lg.	Hex Size	Max. Pressure, psi	Check Valve Type	Specifications Met	Pkg. Qty.	Pkg.		
									1-9	10-Up	
M5 × 0.8 mm Metric Threads											
Zinc-Plated Steel	24mm	5.5mm	5.5mm	9mm	10,000	Ball	DIN 71412	10	1105K14	\$13.21	\$11.32
M6 × 0.75 mm Metric Threads											
Zinc-Plated Steel	24mm	5.5mm	5.5mm	9mm	10,000	Ball	DIN 71412	10	1105K17	17.01	14.58
M6 × 1 mm Metric Threads											
Zinc-Plated Steel	23mm	5.5mm	5.5mm	9mm	8,000	Ball	DIN 71412	10	1105K74	12.24	10.55
Brass	24mm	5.5mm	5.5mm	9mm	10,000	Ball	DIN 71412	5	3088K23	17.07	14.63
303 Stainless Steel	23mm	5.6mm	5.6mm	9mm	8,000	Ball	DIN 71412	3	2250K12	20.36	17.31
316 Stainless Steel	23.5mm	5.5mm	5.5mm	9mm	1,450	Ball	DIN 71412	1	4315N19	14.09	12.33
M7 × 1 mm Metric Threads											
Zinc-Plated Steel	23.5mm	5.5mm	5.5mm	9mm	1,450	Ball	DIN 71412	10	1095K142	8.05	7.05
M8 × 0.75 mm Metric Threads											
Zinc-Plated Steel	23.5mm	5.5mm	5.5mm	9mm	1,450	Ball	DIN 71412	10	1095K143	8.63	7.55
M8 × 1 mm Metric Threads											
Zinc-Plated Steel	23mm	5.5mm	5.5mm	9mm	8,000	Ball	DIN 71412	10	1105K75	11.68	10.07
Brass	24mm	5.5mm	5.5mm	9mm	10,000	Ball	DIN 71412	5	3088K28	17.07	14.63
303 Stainless Steel	22mm	5.6mm	5.6mm	9mm	8,000	Ball	DIN 71412	3	2250K15	24.76	21.00
M8 × 1.25 mm Metric Threads											
Zinc-Plated Steel	23mm	5.6mm	5.6mm	9mm	8,000	Ball	DIN 71412	10	1105K83	11.68	10.07
Brass	24mm	5.5mm	5.5mm	9mm	10,000	Ball	DIN 71412	1	3088K34	3.41	2.93
303 Stainless Steel	22mm	5.5mm	5.5mm	9mm	8,000	Ball	DIN 71412	1	2250K22	8.74	7.51
M10 × 1 mm Metric Threads											
Zinc-Plated Steel	24mm	5.6mm	5.6mm	11mm	8,000	Ball	DIN 71412	10	1105K78	12.96	11.17
Brass	25mm	5.5mm	5.5mm	11mm	10,000	Ball	DIN 71412	3	3088K48	11.81	10.12
303 Stainless Steel	23mm	5.6mm	5.6mm	11mm	8,000	Ball	DIN 71412	1	2250K18	8.91	7.63
M10 × 1.25 mm Metric Threads											
Zinc-Plated Steel	25mm	5.5mm	5.5mm	11mm	1,450	Ball	DIN 71412	10	1095K144	8.93	7.82
M10 × 1.5 mm Metric Threads											
Zinc-Plated Steel	26mm	6.9mm	6.9mm	11mm	8,000	Ball	DIN 71412	10	1105K84	16.52	14.24
303 Stainless Steel	25mm	5.5mm	5.5mm	11mm	1,450	Ball	DIN 71412	1	4315N21	14.54	12.73
M12 × 1 mm Metric Threads											
Zinc-Plated Steel	22.5mm	6.5mm	6.5mm	14mm	1,450	Ball	DIN 71412	5	1095K145	15.16	13.27
M12 × 1.5 mm Metric Threads											
Zinc-Plated Steel	23mm	6.5mm	6.5mm	14mm	10,000	Ball	DIN 71412	5	1105K52	10.76	9.10
M12 × 1.75 mm Metric Threads											
Zinc-Plated Steel	22.5mm	6.5mm	6.5mm	14mm	1,450	Ball	DIN 71412	5	1095K146	14.14	12.37
M14 × 1.5 mm Metric Threads											
Zinc-Plated Steel	22.5mm	6.5mm	6.5mm	14mm	1,450	Ball	DIN 71412	5	1095K147	13.30	11.64
M16 × 1.5 mm Metric Threads											
Zinc-Plated Steel	25.5mm	7mm	7mm	17mm	1,450	Ball	DIN 71412	5	1095K148	15.63	13.67

90° Wye with Male Threads




Material	Overall Ht.	Thread Lg.	Shank Lg.	Square Size	Max. Pressure, psi	Check Valve Type	Specifications Met	Pkg. Qty.	Pkg.		
									1-9	10-Up	
M6 × 1 mm Metric Threads											
Zinc-Plated Steel	18mm	5.5mm	5.5mm	9mm	1,450	Ball	DIN 71412	5	1095K152	\$11.24	\$9.83
M8 × 1 mm Metric Threads											
Zinc-Plated Steel	18mm	5.5mm	5.5mm	9mm	1,450	Ball	DIN 71412	5	1095K153	11.24	9.83
M8 × 1.25 mm Metric Threads											
Zinc-Plated Steel	18mm	5.5mm	5.5mm	9mm	1,450	Ball	DIN 71412	5	1095K154	11.24	9.83
M10 × 1 mm Metric Threads											
Zinc-Plated Steel	18mm	5.5mm	5.5mm	11mm	1,450	Ball	DIN 71412	5	1095K155	12.10	10.59

Button-Head Grease Fittings

Often used on earth movers, mining equipment, and other heavy machinery, these fittings have a T-shaped top that holds the dispensing tip in place so it won't pop off when adding grease. They're best for machinery requiring high volumes of grease because they let more grease pass through than standard grease fittings, thanks to a larger opening. An integral check valve prevents grease from leaking when pressure causes backward flow. The valve stays closed when not in use to keep out dirt and other contaminants.

Zinc-plated steel fittings have mild corrosion resistance. **303 stainless steel** fittings are more corrosion resistant than zinc-plated steel fittings and have good chemical resistance.

 For technical drawings and 3-D models, click on a part number.

Straight with Male Threads



Material	Overall Ht.	Thread Lg.	Shank Lg.	Hex Size	Head Dia.	Max. Pressure, psi	Check Valve Type	Specifications Met	Each		
									1-9	10-Up	
M6 × 1 mm Metric Threads											
Zinc-Plated Steel	14mm	6mm	6mm	11mm	10mm	1,450	Ball	DIN 3404	1094K72	\$1.79	\$1.53
Zinc-Plated Steel	17mm	6mm	6mm	17mm	16mm	10,000	Ball	DIN 3404	2443K39	2.24	1.92
303 Stainless Steel	17mm	6mm	6mm	17mm	16mm	10,000	Ball	DIN 3404	2443K56	14.30	12.33
M8 × 1 mm Metric Threads											
Zinc-Plated Steel	14mm	6mm	6mm	11mm	10mm	1,450	Ball	DIN 3404	1094K73	1.79	1.53
Zinc-Plated Steel	17mm	6mm	6mm	17mm	16mm	10,000	Ball	DIN 3404	2443K41	1.59	1.37
303 Stainless Steel	17mm	6mm	6mm	17mm	16mm	10,000	Ball	DIN 3404	2443K57	18.64	15.96
M8 × 1.25 mm Metric Threads											
Zinc-Plated Steel	17mm	6mm	6mm	17mm	16mm	1,450	Ball	DIN 3404	1094K32	1.34	1.15
M10 × 1 mm Metric Threads											
Zinc-Plated Steel	14mm	6mm	6mm	11mm	10mm	1,450	Ball	DIN 3404	1094K74	1.79	1.53
Zinc-Plated Steel	17mm	6mm	6mm	17mm	16mm	10,000	Ball	DIN 3404	2443K42	1.59	1.37
303 Stainless Steel	17mm	6mm	6mm	17mm	16mm	10,000	Ball	DIN 3404	2443K58	19.38	16.61
M10 × 1.5 mm Metric Threads											
Zinc-Plated Steel	17mm	6mm	6mm	17mm	16mm	1,450	Ball	DIN 3404	1094K33	1.38	1.18
M12 × 1 mm Metric Threads											
Zinc-Plated Steel	17mm	6mm	6mm	17mm	16mm	1,450	Ball	DIN 3404	1094K34	1.96	1.68
M12 × 1.5 mm Metric Threads											
Zinc-Plated Steel	17mm	6mm	6mm	17mm	16mm	10,000	Ball	DIN 3404	2443K43	2.56	2.22
303 Stainless Steel	17mm	6mm	6mm	17mm	16mm	10,000	Ball	DIN 3404	2443K59	22.40	19.30
M12 × 1.75 mm Metric Threads											
Zinc-Plated Steel	17mm	6mm	6mm	17mm	16mm	1,450	Ball	DIN 3404	1094K35	1.47	1.26
M14 × 1.5 mm Metric Threads											
Zinc-Plated Steel	17mm	6mm	6mm	17mm	16mm	10,000	Ball	DIN 3404	2443K44	2.68	2.32
M16 × 1.5 mm Metric Threads											
Zinc-Plated Steel	18mm	7mm	7mm	17mm	16mm	10,000	Ball	DIN 3404	2443K45	2.79	2.39

Flush-Style Grease Fittings



C



D

The nipple doesn't stick out, so these fittings fit in tight spaces and won't be damaged if something knocks into them. An integral check valve prevents grease from leaking when pressure causes backward flow. The valve stays closed when not in use to keep out dirt and other contaminants.

Zinc-plated steel fittings have mild corrosion resistance. **303 stainless steel** fittings are more corrosion resistant than zinc-plated steel fittings and have good chemical resistance.

Install **Styles A, B, and D** with a slotted screwdriver. Install **Style C** with a hex wrench.


For technical drawings and 3-D models, click on a part number.

Style	Material	Overall Ht.	Thread Lg.	Shank Lg.	Slot Lg.	Hex Size	Max. Pressure, psi	Check Valve Type	Specifications Met	Pkg. Qty.	Pkg.	
											1-9	10-Up
Straight with Male Threads												
M5 × 0.8 mm Metric Threads												
C	Zinc-Plated Steel	9mm	6mm	6mm	—	7mm	1,450	Ball	DIN 3405	5	10595K35	\$4.99 \$4.28
M6 × 0.75 mm Metric Threads												
C	Zinc-Plated Steel	9mm	6mm	6mm	—	7mm	1,450	Ball	DIN 3405	5	10595K36	5.39 4.62
M6 × 1 mm Metric Threads												
C	Zinc-Plated Steel	9mm	6mm	6mm	—	7mm	10,000	Ball	DIN 3405	5	2421K31	7.17 6.51
C	303 Stainless Steel	9mm	6mm	6mm	—	7mm	1,450	Ball	DIN 3405	1	10595K37	4.83 4.14
M8 × 1 mm Metric Threads												
D	Zinc-Plated Steel	10mm	10mm	10mm	8mm	—	1,450	Ball	DIN 3405	5	10595K38	16.30 13.97
C	Zinc-Plated Steel	9.5mm	6.5mm	6.5mm	—	9mm	10,000	Ball	DIN 3405	5	2421K32	7.32 6.65
M8 × 1.25 mm Metric Threads												
C	Zinc-Plated Steel	9.5mm	6.5mm	6.5mm	—	9mm	1,450	Ball	DIN 3405	5	10595K39	4.88 4.18
M10 × 1 mm Metric Threads												
D	Zinc-Plated Steel	10mm	10mm	10mm	10mm	—	1,450	Ball	DIN 3405	5	10595K41	16.75 14.36
C	Zinc-Plated Steel	9.5mm	6.5mm	6.5mm	—	11mm	10,000	Ball	DIN 3405	5	2421K33	7.76 7.05

Style	Material	Overall Ht.	Thread Lg.	Shank Lg.	Slot Lg.	Hex Size	Max. Pressure, psi	Check Valve Type	Specifications Met	Pkg. Qty.	Pkg.		
											1-9	10-Up	
M10 × 1.5 mm Metric Threads													
C	Zinc-Plated Steel	9.5mm	6.5mm	6.5mm	—	11mm	1,450	Ball	DIN 3405	5	10595K42	7.79	6.67
M12 × 1.5 mm Metric Threads													
C	Zinc-Plated Steel	14mm	9.5mm	9.5mm	—	14mm	1,450	Ball	DIN 3405	5	10595K43	10.72	9.19

Self-Tapping Grease Fittings for Unthreaded Holes

To fit securely in unthreaded holes, these fittings cut threads as they're installed. Use a hex wrench to install. Fittings can be driven in, but then are not pressure rated. They're zinc-plated steel for mild corrosion resistance. All have an integral check valve that prevents grease from leaking when pressure causes backward flow. The valve stays closed when not in use to keep out dirt and other contaminants. These fittings are also known as hydraulic grease fittings.

 For technical drawings and 3-D models, click on a part number.

Straight with Male Threads



For Hole Dia.	Material	Overall Ht.	Shank Lg.	Thread Lg.	Hex Size	Max. Pressure, psi	Check Valve Type	Pkg. Qty.	Pkg.		
									1-9	10-Up	
M6 × 1 mm Metric Threads											
5.6-5.7mm	Zinc-Plated Steel	14mm	5.5mm	5.5mm	7mm	8,000	Ball	10	8742T31	\$5.88	\$5.06
5.6-5.7mm	Zinc-Plated Steel	15mm	5.5mm	5.5mm	7mm	10,000	Ball	10	8742T11	5.99	5.41
M8 × 1 mm Metric Threads											
7.6-7.7mm	Zinc-Plated Steel	15mm	5.5mm	5.5mm	9mm	10,000	Ball	10	8742T12	7.50	6.78
M10 × 1 mm Metric Threads											
9.6-9.7mm	Zinc-Plated Steel	15mm	5.5mm	5.5mm	11mm	10,000	Ball	10	8742T13	8.26	7.46

90° Elbow with Male Threads



For Hole Dia.	Material	Overall Ht.	Shank Lg.	Thread Lg.	Square Size	Max. Pressure, psi	Check Valve Type	Pkg. Qty.	Pkg.		
									1-9	10-Up	
M6 × 1 mm Metric Threads											
5.6-5.7mm	Zinc-Plated Steel	18mm	5.5mm	5.5mm	9mm	10,000	Ball	10	8742T17	\$17.37	\$15.69
M8 × 1 mm Metric Threads											
7.6-7.7mm	Zinc-Plated Steel	18mm	5.5mm	5.5mm	9mm	10,000	Ball	5	8742T18	8.68	7.84
M10 × 1 mm Metric Threads											
9.6-9.7mm	Zinc-Plated Steel	18mm	5.5mm	5.5mm	11mm	10,000	Ball	5	8742T19	11.02	9.95

45° Elbow with Male Threads




For Hole Dia.	Material	Overall Ht.	Shank Lg.	Thread Lg.	Square Size	Max. Pressure, psi	Check Valve Type	Pkg. Qty.	Pkg.		
									1-9	10-Up	
M6 × 1 mm Metric Threads											
5.6-5.7mm	Zinc-Plated Steel	20mm	5.5mm	5.5mm	9mm	10,000	Ball	10	8742T14	\$19.94	\$18.01
M8 × 1 mm Metric Threads											
7.6-7.7mm	Zinc-Plated Steel	20mm	5.5mm	5.5mm	9mm	10,000	Ball	5	8742T15	9.97	9.00
M10 × 1 mm Metric Threads											
9.6-9.7mm	Zinc-Plated Steel	20mm	5.5mm	5.5mm	11mm	10,000	Ball	5	8742T16	10.96	9.90

Grease Fittings for Unthreaded Holes

Drive these fittings into unthreaded holes with a hammer and grease fitting [installation tool](#) (not included). They're also known as hydraulic grease fittings.

Zinc-plated steel fittings have mild corrosion resistance. **303 stainless steel** fittings are more corrosion resistant than zinc-plated steel fittings and have good chemical resistance.

Fittings with a **check valve** prevent grease from leaking when pressure causes backward flow. The valve stays closed when not in use to keep out dirt and other contaminants.

 For technical drawings and 3-D models, click on a part number.

Straight with Smooth Shank



Material	Overall Ht.	Shank Lg.	Head Dia.	Check Valve Type	Specifications Met	Pkg. Qty.	Pkg.		
							1-9	10-Up	
For 5mm Hole Dia.									
Zinc-Plated Steel	15mm	5.5mm	8mm	Ball	DIN 71412	10	2417K24	\$6.76	\$5.79
For 6mm Hole Dia.									
Zinc-Plated Steel	15mm	5.5mm	8mm	Ball	DIN 71412	10	2417K21	4.50	3.86
303 Stainless Steel	14mm	4mm	8mm	Ball	DIN 71412	1	2417K25	7.23	6.20
For 8mm Hole Dia.									
Zinc-Plated Steel	15mm	5.5mm	10mm	Ball	DIN 71412	10	2417K22	5.46	4.68
For 10mm Hole Dia.									
Zinc-Plated Steel	15mm	5.5mm	12mm	Ball	DIN 71412	10	2417K23	7.35	6.30

90° Elbow with Smooth Shank



Material	Overall Ht.	Shank Lg.	Square Size	Check Valve Type	Specifications Met	Pkg. Qty.	Pkg.	
							1-9	10-Up
For 6mm Hole Dia.								
Zinc-Plated Steel	18mm	5.5mm	9mm	Ball	DIN 71412	10	2417K26	\$11.72 \$10.04
For 8mm Hole Dia.								
Zinc-Plated Steel	18mm	5.5mm	9mm	Ball	DIN 71412	10	2417K27	12.19 10.45
For 10mm Hole Dia.								
Zinc-Plated Steel	18mm	5.5mm	11mm	Ball	DIN 71412	5	2417K28	25.11 21.52

Flush-Style Grease Fittings for Unthreaded Holes

Since they don't protrude, these fittings avoid damage from impact and fit in tight spaces. Use a hammer and grease fitting [installation tool](#) (not included) to drive them into unthreaded holes. An integral check valve prevents grease from leaking when pressure causes backward flow. The valve stays closed when not in use to keep out dirt and other contaminants.

Zinc-plated steel fittings have mild corrosion resistance. **303 stainless steel** fittings are more corrosion resistant than zinc-plated steel fittings and have good chemical resistance.

For technical drawings and 3-D models, click on a part number.

Straight with Smooth Shank



Material	Overall Ht.	Shank Lg.	Head Dia.	Max. Pressure, psi	Check Valve Type	Specifications Met	Pkg. Qty.	Pkg.	
								1-9	10-Up
For 5mm Hole Dia.									
Zinc-Plated Steel	7.5mm	5.5mm	8mm	Not Rated	Ball	—	5	1102K93	\$11.48 \$10.17
For 6mm Hole Dia.									
Zinc-Plated Steel	7.5mm	5.5mm	8mm	10,000	Ball	DIN 3405	5	2421K34	11.16 10.15
303 Stainless Steel	7.5mm	5.5mm	8mm	1,450	Ball	DIN 3405	1	2421K41	9.86 8.96
For 8mm Hole Dia.									
Zinc-Plated Steel	9.5mm	6.5mm	10mm	10,000	Ball	DIN 3405	5	2421K35	11.16 10.15
For 10mm Hole Dia.									
Zinc-Plated Steel	9.5mm	6.5mm	12mm	10,000	Ball	DIN 3405	3	2421K36	7.06 6.42

Self-Tapping Flush-Style Grease Fittings for Unthreaded Holes



Ensure a secure fit in unthreaded holes—these fittings cut threads as they're installed. Use them in tight spaces where protruding fittings won't work. Install with a hex wrench. Fittings can be driven in, but then are not pressure rated. They're zinc-plated steel for mild corrosion resistance. An integral check valve prevents grease from leaking when pressure causes backward flow. The valve stays closed when not in use to keep out dirt and other contaminants.

For technical drawings and 3-D models, click on a part number.


For Hole Dia.	Material	Overall Ht.	Shank Lg.	Thread Lg.	Hex Size	Max. Pressure, psi	Check Valve Type	Specifications Met	Pkg. Qty.	Pkg.	
										1-9	10-Up
Straight with Male Threads											
M6 × 1 mm Metric Threads											
5.6-5.7 mm	Zinc-Plated Steel	8.5 mm	5.5 mm	5.5 mm	7 mm	10,000	Ball	DIN 3405	5	2421K37	\$11.27 \$10.24

For Hole Dia.	Material	Overall Ht.	Shank Lg.	Thread Lg.	Hex Size	Max. Pressure, psi	Check Valve Type	Specifications Met	Pkg. Qty.	Pkg.		
										1-9	10-Up	
M8 × 1 mm Metric Threads												
7.6-7.7 mm	Zinc-Plated Steel	8.5 mm	5.5 mm	5.5 mm	9 mm	10,000	Ball	DIN 3405	3	2421K38	6.77	6.15
M10 × 1 mm Metric Threads												
9.6-9.7 mm	Zinc-Plated Steel	8.5 mm	5.5 mm	5.5 mm	11 mm	10,000	Ball	DIN 3405	1	2421K39	2.44	2.21

Grease Fitting Adapters

When the size or thread type of a fitting doesn't match an existing opening, use these adapters to make the connection.

Zinc-plated steel adapters have mild corrosion resistance. **Brass** adapters resist corrosion better than zinc-plated steel adapters. **UNF** threads are similar to threads on a machine screw or bolt. They require a sealant, such as an O-ring, to minimize leakage.

 For technical drawings and 3-D models, click on a part number.

Straight



Adapter

Male	Connection	Female	Material	Each
Adapters				
Metric M6 × 1 mm		UNF 1/4"-28	Zinc-Plated Steel	9006T21 \$7.52
Metric M6 × 1 mm		NPT 1/8	Steel	4936K488 13.20
Metric M8 × 1 mm		UNF 1/4"-28	Zinc-Plated Steel	9006T22 8.52
Metric M8 × 1 mm		NPT 1/8	Brass	1303K331 22.77
Metric M8 × 1 mm		BSPT 1/8	Brass	1303K332 17.62
Metric M8 × 1.25 mm		NPT 1/8	Brass	1303K333 25.07
Metric M10 × 1 mm		UNF 1/4"-28	Zinc-Plated Steel	9006T23 8.61
Metric M10 × 1 mm		NPT 1/8	Steel	4936K485 13.51
Metric M10 × 1.5 mm		NPT 1/8	Brass	1303K335 9.23
Metric M12 × 1 mm		NPT 1/8	Steel	1303K336 11.43
Metric M16 × 1.5 mm		NPT 1/8	Brass	1303K337 12.40