

# BUFFALO FASTENERS

Precise Hydraulic fittings and Fasteners

**FASTENERS**

**HYDRAULIC FITTINGS**

**COLD-DRAWN STEEL PIPES/TUBES**

**COIL SPRINGS**



# BUFFALO FASTENERS

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## OUR STRENGTHS

- ◆ Customized
- ◆ Quick response
- ◆ Project coordination
- ◆ PPAP III documentation
- ◆ Different packaging sizes
- ◆ Sub-assembly
- ◆ Production control
- ◆ Shipment coordination
- ◆ On-time delivery

## STANDARDS

- ◆ AISI
- ◆ ASTM
- ◆ BS
- ◆ DIN
- ◆ ISO
- ◆ JIS
- ◆ UNI

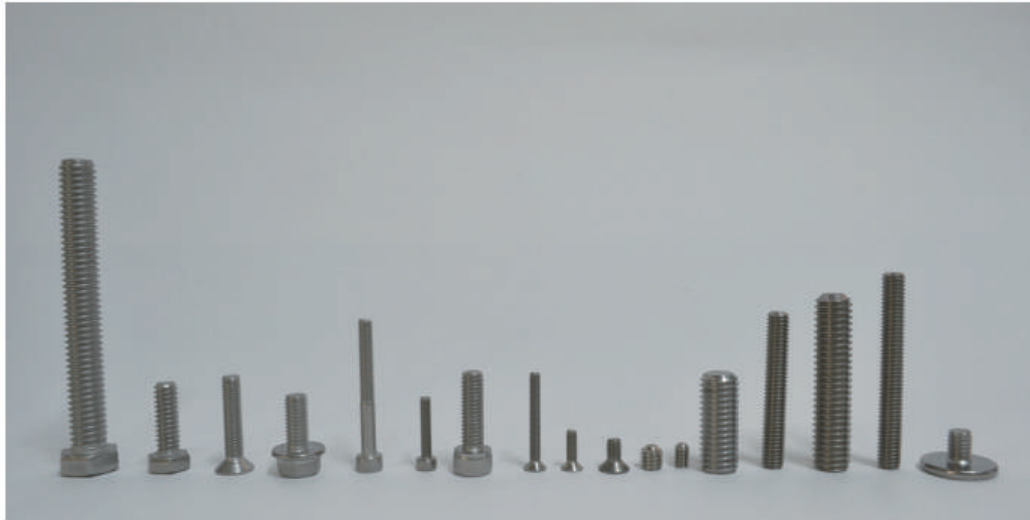
## PRODUCTION AVAILABILITY FOR FASTENERS AND HYDRAULIC FITTINGS

#0	#1	#2	#3	#4	#5	#6	#8	#10	#12					
M3	M4	M5	M6	M10	M12	M16	M20	M22	M24	M27	M30	M33	M36	
1/8	5/32	3/16	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1-1/8	1-1/4	1-1/2

## STAINLESS STEEL GRADES FOR FASTENERS AND HYDRAULIC FITTINGS

Parts/Grades	302	304	304L	302HQ	XM 7	305	316	316L	316Ti	410	430
	1.4325	1.4301	1.4307	1.4567	1.4567	—	1.4401	1.4404	1.4571	1.4006	1.4016
Fasteners											
Hydraulic fittings											

## STAINLESS STEEL FASTENERS



- Hex head bolt
- Hex socket head cap screw
- Hex socket countersunk head cap screw
- Self-drilling screw
- Tapping screw
- Machine screw
- Hex socket set screw
- Chipboard screw



- Hex coupling nut
- Wheel nut
- Wing nut
- Dome cap nut
- Nylon insert hex lock nut
- Hex nut
- T nut
- Hex flange nut
- Hex weld nut
- Square weld nut
- Keps nut
- Spring washer
- Flat washer
- Castle nut

## STAINLESS STEEL HYDRAULIC FITTINGS



## THREAD TYPES

**BSP / METRIC / NPT / PT / SAE**

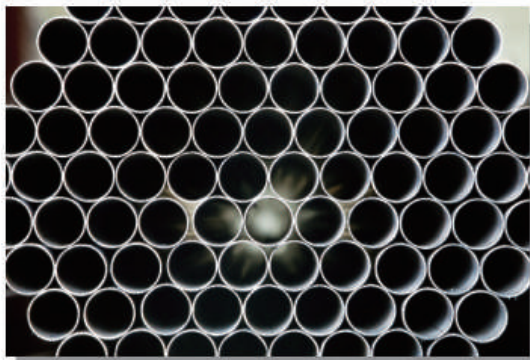
- Swivel nut
- Tube nut
- NPT half socket
- Crimping ferrule
- Coupling nut
  
- Crimp fitting for hose
- Adaptor
- Sleeve
- Plug
- Tube clamp
- Bulkhead lock nut
- Connector

## COLD-DRAWN STEEL PIPES/TUBES



### MATERIAL

EN 10305-2	Germany	UK	Japan	U.S.A.	France
Standards	DIN 2393	BS 6323-6	JIS-G3445	SAE	NF A 49-341
E235	St 37-2	CEW 4	STKM12A	1015	TS-34a
E275	St 44-2	CEW 4	STKM13A	1020	TS-42a
E355	St 52-3	CEW 5	STKM19A	1524	TS-47a



O.D. ( mm )	Thickness (mm)														
	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5
9.5 - 11.0															
11.0 - 12.0															
12.0 - 15.0															
15.0 - 20.0															
20.0 - 40.0															
40.0 - 50.0															
50.0 - 75.0															
75.0 - 85.0															

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## COIL SPRINGS



Material	Diameter(mm)																		Standard		
	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0			
SAE 9254																				AMS 6451C	
SWOSC-B																				JIS G 3560	
SAE9254M																				AMS 6451C	
SRS60																				JIS G 3502	JIS G 3522
SWOSC-V																				JIS G 3561	AMS 6451C
SWP-A																				JIS G 3502	JIS G 3522
SWP-B																				JIS G 3502	JIS G 3522
SWC																				JIS G 3506	JIS G 3521
NLP																				JIS G 3506	JIS G 3522

## DELIVERY



Freight / Countries	Asia & Oceania	U.S.A & Europe
Sea	7-14 days	30-45 days
Air	3-5 days	5-7 days
Express	3-5 days	7 days
Air mail	7-14 days	14-30 days

## CUSTOMIZED PACKAGING



- Paper box
- Carton



- Plastic bucket
- Hanging box
- Jar
- Plastic case

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