

MSI-FORKS

MSI forks are forged in the company's new Rock Hill, South Carolina facility from North American sourced steel. MSI-Forks offers a comprehensive product line covering a wide variety of industrial and commercial applications—at a competitive price.

The Promatch[®] parts program is now stocking MSI's most popular hook-style ITA class II, III, and IV forks, with more inventory to come over the next few months.



All forks produced by MSI-Forks have a 1-year warranty against manufacturers defects.



MSI forged steel



Reinforced heel



ISO 2330 quality



QUALITY

MSI-Forks rigorously comply with the ISO standards below:

ISO 2330 - Technical characteristics and testing of forks

Specifies manufacturing, testing, and marking requirements for solid-section fork arms, for quantity production and with all types of mounting.

- Yield load test: capacity safety factor of 3:1
- Fatigue test: over 1 million lifting cycles with 1.25 of its rated capacity
- Crack detection: 100% checked against surface crack
- Marking: capacity, load center, manufacturer, and traceability number

ISO 2328 - Hook type forks and fork carriages - mounting dimensions

Specifies the dimensions of, and additional requirements for, fork carriers and hook-on type fork arms, to permit the interchangeability of these fork arms and/or other attachments, relative to the truck-rated capacity and fork arm type, on fork-lift trucks up to and including a rated capacity of 10 999 kg.

ISO 5057 - Inspection and repair of forks in service on forklift trucks

Specifies methods for inspection (of surface cracks, difference in height of fork tips, positioning lock, legibility of marking, wear), repair and testing. Guarantees the safety of the material handling operation.

FABRICATION

MSI-Forks starts with the choice of the highest quality raw materials and only uses Carbon-Boron Steel, which withstands the challenges of day-to-day use.

Production Steps

- Taper: Cutting or forging the steel bar according to the fork length
- Forge: Bending and upsetting the steel bar or hammer forging the billet
- Heat Treating: Altering the material properties to reach the desired hardness
- Welding: Setting up and welding mounting components to the fork arm
- Inspection: Crack testing every fork and checking dimensional tolerances
- Finishing: Shot-blasting and painting the final fork arm

The manufacturing process used by MSI-Forks is one of the most modern in the world, using fully and semi-automated production lines.



Made in the USA

Class 2 Forks

Part Number	Capacity @ 24" Load Center (pounds/pair)	Thickness x Width	Length	Taper Style	Fork Style
A000054442	5,250	1.50" x 4.00" (40 x 100 mm)	32" (813 mm)	Standard Taper	Hook
A000054444	5,250	1.50" x 4.00" (40 x 100 mm)	36" (914 mm)	Standard Taper	Hook
A000054443	5,250	1.50" x 4.00" (40 x 100 mm)	36" (914 mm)	Fully Tapered and Polished	Hook
A000054437	5,250	1.50" x 4.00" (40 x 100 mm)	42" (1067 mm)	Standard Taper	Hook
A000054436	5,250	1.50" x 4.00" (40 x 100 mm)	42" (1067 mm)	Fully Tapered and Polished	Hook
A000054439	5,250	1.50" x 4.00" (40 x 100 mm)	48" (1219 mm)	Standard Taper	Hook
A000054438	5,250	1.50" x 4.00" (40 x 100 mm)	48" (1219 mm)	Fully Tapered and Polished	Hook
A000054440	5,250	1.50" x 4.00" (40 x 100 mm)	54" (1372 mm)	Standard Taper	Hook
A000054441	5,250	1.50" x 4.00" (40 x 100 mm)	60" (1524 mm)	Standard Taper	Hook
A000054457	6,590	1.50" x 5.00" (40 x 125 mm)	42" (1067 mm)	Standard Taper	Hook
A000054456	6,590	1.50" x 5.00" (40 x 125 mm)	42" (1067 mm)	Fully Tapered and Polished	Hook
A000054459	6,590	1.50" x 5.00" (40 x 125 mm)	48" (1219 mm)	Standard Taper	Hook
A000054458	6,590	1.50" x 5.00" (40 x 125 mm)	48" (1219 mm)	Fully Tapered and Polished	Hook
A000054460	6,590	1.50" x 5.00" (40 x 125 mm)	54" (1372 mm)	Standard Taper	Hook
A000054455	6,990	1.75" x 4.00" (45 x 100 mm)	36" (914 mm)	Standard Taper	Hook
A000054454	6,990	1.75" x 4.00" (45 x 100 mm)	36" (914 mm)	Fully Tapered and Polished	Hook
A000054446	6,990	1.75" x 4.00" (45 x 100 mm)	42" (1067 mm)	Standard Taper	Hook
A000054445	6,990	1.75" x 4.00" (45 x 100 mm)	42" (1067 mm)	Fully Tapered and Polished	Hook
A000054448	6,990	1.75" x 4.00" (45 x 100 mm)	48" (1219 mm)	Standard Taper	Hook
A000054447	6,990	1.75" x 4.00" (45 x 100 mm)	48" (1219 mm)	Fully Tapered and Polished	Hook
A000054450	6,990	1.75" x 4.00" (45 x 100 mm)	54" (1372 mm)	Standard Taper	Hook
A000054449	6,990	1.75" x 4.00" (45 x 100 mm)	54" (1372 mm)	Fully Tapered and Polished	Hook
A000054452	6,990	1.75" x 4.00" (45 x 100 mm)	60" (1524 mm)	Standard Taper	Hook
A000054451	6,990	1.75" x 4.00" (45 x 100 mm)	60" (1524 mm)	Fully Tapered and Polished	Hook
A000054453	6,990	1.75" x 4.00" (45 x 100 mm)	72" (1829 mm)	Standard Taper	Hook
A000054420	6,990	1.75" x 4.00" (45 x 100 mm)	96" (2438 mm)	Standard Taper	Hook
A000054462	8,770	1.75" x 5.00" (45 x 125 mm)	42" (1067 mm)	Standard Taper	Hook
A000054461	8,770	1.75" x 5.00" (45 x 125 mm)	42" (1067 mm)	Fully Tapered and Polished	Hook
A000054466	8,770	1.75" x 5.00" (45 x 125 mm)	48" (1219 mm)	Standard Taper	Hook
A000054465	8,770	1.75" x 5.00" (45 x 125 mm)	48" (1219 mm)	Fully Tapered and Polished	Hook
A000054469	8,770	1.75" x 5.00" (45 x 125 mm)	54" (1372 mm)	Standard Taper	Hook
A000054472	8,770	1.75" x 5.00" (45 x 125 mm)	60" (1524 mm)	Standard Taper	Hook
A000054471	8,770	1.75" x 5.00" (45 x 125 mm)	60" (1524 mm)	Fully Tapered and Polished	Hook
A000054474	8,770	1.75" x 5.00" (45 x 125 mm)	72" (1829 mm)	Standard Taper	Hook
A000054421	8,770	1.75" x 5.00" (45 x 125 mm)	96" (2438 mm)	Standard Taper	Hook
A000054517	4,490	2.00" x 2.00" (50 x 50 mm)	48" (1219 mm)	Block	Hook

Class 2B Forks

Part Number	Capacity @ 24" Load Center (pounds/pair)	Thickness x Width	Length	Taper Style	Fork Style
50262226	4,580	1.50" x 3.00" (40 x 80 mm)	37.40" (950 mm)	Standard Taper	Hook
50262230	4,580	1.50" x 3.00" (40 x 80 mm)	45.28" (1150 mm)	Standard Taper	Hook
50262301	5,250	1.50" x 4.00" (40 x 100 mm)	45.28" (1150 mm)	Standard Taper	Hook
5117535	5,250	1.50" x 4.00" (40 x 100 mm)	46.30" (1175 mm)	Standard Taper	Hook
50262302	5,250	1.50" x 4.00" (40 x 100 mm)	47.24" (1200 mm)	Standard Taper	Hook
50262323	5,250	1.50" x 4.00" (40 x 100 mm)	62.99" (1600 mm)	Standard Taper	Hook
50262362	6,590	1.50" x 5.00" (40 x 120 mm)	33.46" (850 mm)	Standard Taper	Hook
50262363	6,590	1.50" x 5.00" (40 x 120 mm)	35.43" (900 mm)	Standard Taper	Hook
50262369	6,590	1.50" x 5.00" (40 x 120 mm)	43.31" (1100 mm)	Standard Taper	Hook
50262396	11,270	2.00" x 5.00" (50 x 140 mm)	47.24" (1200 mm)	Standard Taper	Hook
50262397	11,270	2.00" x 5.00" (50 x 140 mm)	48.03" (1220 mm)	Standard Taper	Hook

Class B forks have a 3" higher shank/back height, allowing the bottom hook of a Class B fork to be 3" higher from the floor than a Class A fork.

Class 3 Forks

Part Number	Capacity @ 24" Load Center (pounds/pair)	Thickness x Width	Length	Taper Style	Fork Style
A000054475	8,770	1.75" x 5.00" (45 x 125 mm)	36" (914 mm)	Standard Taper	Hook
A000054464	8,770	1.75" x 5.00" (45 x 125 mm)	42" (1067 mm)	Standard Taper	Hook
A000054463	8,770	1.75" x 5.00" (45 x 125 mm)	42" (1067 mm)	Fully Tapered and Polished	Hook
A000054468	8,770	1.75" x 5.00" (45 x 125 mm)	48" (1219 mm)	Standard Taper	Hook
A000054467	8,770	1.75" x 5.00" (45 x 125 mm)	48" (1219 mm)	Fully Tapered and Polished	Hook
A000054470	8,770	1.75" x 5.00" (45 x 125 mm)	54" (1372 mm)	Standard Taper	Hook
A000054473	8,770	1.75" x 5.00" (45 x 125 mm)	60" (1524 mm)	Standard Taper	Hook
A000054516	4,490	2.00" x 2.00" (50 x 50mm)	42" (1067 mm)	Block	Hook
A000054518	4,490	2.00" x 2.00" (50 x 50mm)	48" (1219 mm)	Block	Hook
A000054488	11,270	2.00" x 5.00" (50 x 125 mm)	36" (914 mm)	Standard Taper	Hook
A000054487	11,270	2.00" x 5.00" (50 x 125 mm)	36" (914 mm)	Fully Tapered and Polished	Hook
A000054477	11,270	2.00" x 5.00" (50 x 125 mm)	42" (1067 mm)	Standard Taper	Hook
A000054476	11,270	2.00" x 5.00" (50 x 125 mm)	42" (1067 mm)	Fully Tapered and Polished	Hook
A000054479	11,270	2.00" x 5.00" (50 x 125 mm)	48" (1219 mm)	Standard Taper	Hook
A000054478	11,270	2.00" x 5.00" (50 x 125 mm)	48" (1219 mm)	Fully Tapered and Polished	Hook
A000054481	11,270	2.00" x 5.00" (50 x 125 mm)	54" (1372 mm)	Standard Taper	Hook
A000054480	11,270	2.00" x 5.00" (50 x 125 mm)	54" (1372 mm)	Fully Tapered and Polished	Hook
A000054483	11,270	2.00" x 5.00" (50 x 125 mm)	60" (1524 mm)	Standard Taper	Hook
A000054482	11,270	2.00" x 5.00" (50 x 125 mm)	60" (1524 mm)	Fully Tapered and Polished	Hook
A000054485	11,270	2.00" x 5.00" (50 x 125 mm)	72" (1829 mm)	Standard Taper	Hook
A000054486	11,270	2.00" x 5.00" (50 x 125 mm)	84" (2134 mm)	Standard Taper	Hook
A000054490	13,470	2.00" x 6.00" (50 x 150mm)	42" (1067 mm)	Standard Taper	Hook
A000054489	13,470	2.00" x 6.00" (50 x 150mm)	42" (1067 mm)	Fully Tapered and Polished	Hook
A000054492	13,470	2.00" x 6.00" (50 x 150mm)	48" (1219 mm)	Standard Taper	Hook
A000054491	13,470	2.00" x 6.00" (50 x 150mm)	48" (1219 mm)	Fully Tapered and Polished	Hook
A000054495	13,470	2.00" x 6.00" (50 x 150mm)	54" (1372 mm)	Standard Taper	Hook
A000054494	13,470	2.00" x 6.00" (50 x 150mm)	54" (1372 mm)	Fully Tapered and Polished	Hook
A000054497	13,470	2.00" x 6.00" (50 x 150mm)	60" (1524 mm)	Standard Taper	Hook
A000054496	13,470	2.00" x 6.00" (50 x 150mm)	60" (1524 mm)	Fully Tapered and Polished	Hook
A000054500	13,470	2.00" x 6.00" (50 x 150mm)	72" (1829 mm)	Standard Taper	Hook
A000054499	13,470	2.00" x 6.00" (50 x 150mm)	72" (1829 mm)	Fully Tapered and Polished	Hook
A000054502	13,470	2.00" x 6.00" (50 x 150mm)	84" (2134 mm)	Standard Taper	Hook
A000054503	13,470	2.00" x 6.00" (50 x 150mm)	96" (2438 mm)	Standard Taper	Hook

Class 4 Forks

Part Number	Capacity @ 24" Load Center (pounds/pair)	Thickness x Width	Length	Taper Style	Fork Style
A000054493	13,470	2.00" x 6.00" (50 x 150 mm)	48" (1219 mm)	Standard Taper	Hook
A000054501	13,470	2.00" x 6.00" (50 x 150 mm)	72" (1829 mm)	Standard Taper	Hook
A000054498	13,470	2.00" x 6.00" (50 x 150 mm)	60" (1524 mm)	Standard Taper	Hook
A000054504	13,470	2.00" x 6.00" (50 x 150 mm)	96" (2438 mm)	Standard Taper	Hook
A000054505	18,640	2.25" x 6.00" (60 x 150 mm)*	48" (1219 mm)	Standard Taper	Hook
A000054506	18,640	2.25" x 6.00" (60 x 150 mm)*	54" (1372 mm)	Standard Taper	Hook
A000054507	18,640	2.25" x 6.00" (60 x 150 mm)*	60" (1524 mm)	Standard Taper	Hook
A000054508	18,640	2.25" x 6.00" (60 x 150 mm)*	72" (1829 mm)	Standard Taper	Hook
A000054509	18,640	2.25" x 6.00" (60 x 150 mm)*	96" (2438 mm)	Standard Taper	Hook
A000054510	21,210	2.50" x 6.00" (65 x 150 mm)	48" (1219 mm)	Standard Taper	Hook
A000054511	21,210	2.50" x 6.00" (65 x 150 mm)	54" (1372 mm)	Standard Taper	Hook
A000054512	21,210	2.50" x 6.00" (65 x 150 mm)	60" (1524 mm)	Standard Taper	Hook
A000054513	21,210	2.50" x 6.00" (65 x 150 mm)	72" (1829 mm)	Standard Taper	Hook
A000054514	21,210	2.50" x 6.00" (65 x 150 mm)	96" (2438 mm)	Standard Taper	Hook

*Actual size is 2.36" x 6.00".