
INTERNATIONAL STANDARD



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Fork lift trucks – Hook-on type fork arms and fork carriers – Mounting dimensions

Chariots élévateurs à fourche – Bras de fourche à tenons et tabliers porte-équipements – Dimensions de montage

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FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 2328 was developed by Technical Committee ISO/TC 110, *Industrial trucks*, and was circulated to the member bodies in October 1976.

It has been approved by the member bodies of the following countries :

Australia	India	Romania
Austria	Japan	South Africa, Rep. of
Belgium	Korea, Rep. of	Spain
Bulgaria	Mexico	Sweden
Czechoslovakia	Netherlands	Switzerland
Finland	New Zealand	United Kingdom
France	Philippines	
Germany	Poland	

No member body expressed disapproval of the document.

Fork lift trucks – Hook-on type fork arms and fork carriers – Mounting dimensions

1 SCOPE AND FIELD OF APPLICATION

This International Standard defines those dimensional characteristics of fork carriers and hook-on type fork arms for fork lift trucks which permit interchangeability of fork arms and/or other attachments, in relation to the manufacturer's rated capacity of trucks.

2 REFERENCES

ISO/R 1214, *Counterbalanced fork lift trucks – Rated capacity.*

ISO/TR 2329, *Fork lift trucks – Fork arms – Dimensions.*

ISO 2330, *Fork lift trucks – Fork arms – Technical characteristics and testing.*

ISO 2331, *Fork lift trucks – Hook-on type fork arms – Vocabulary.*

3 DIMENSIONAL CHARACTERISTICS

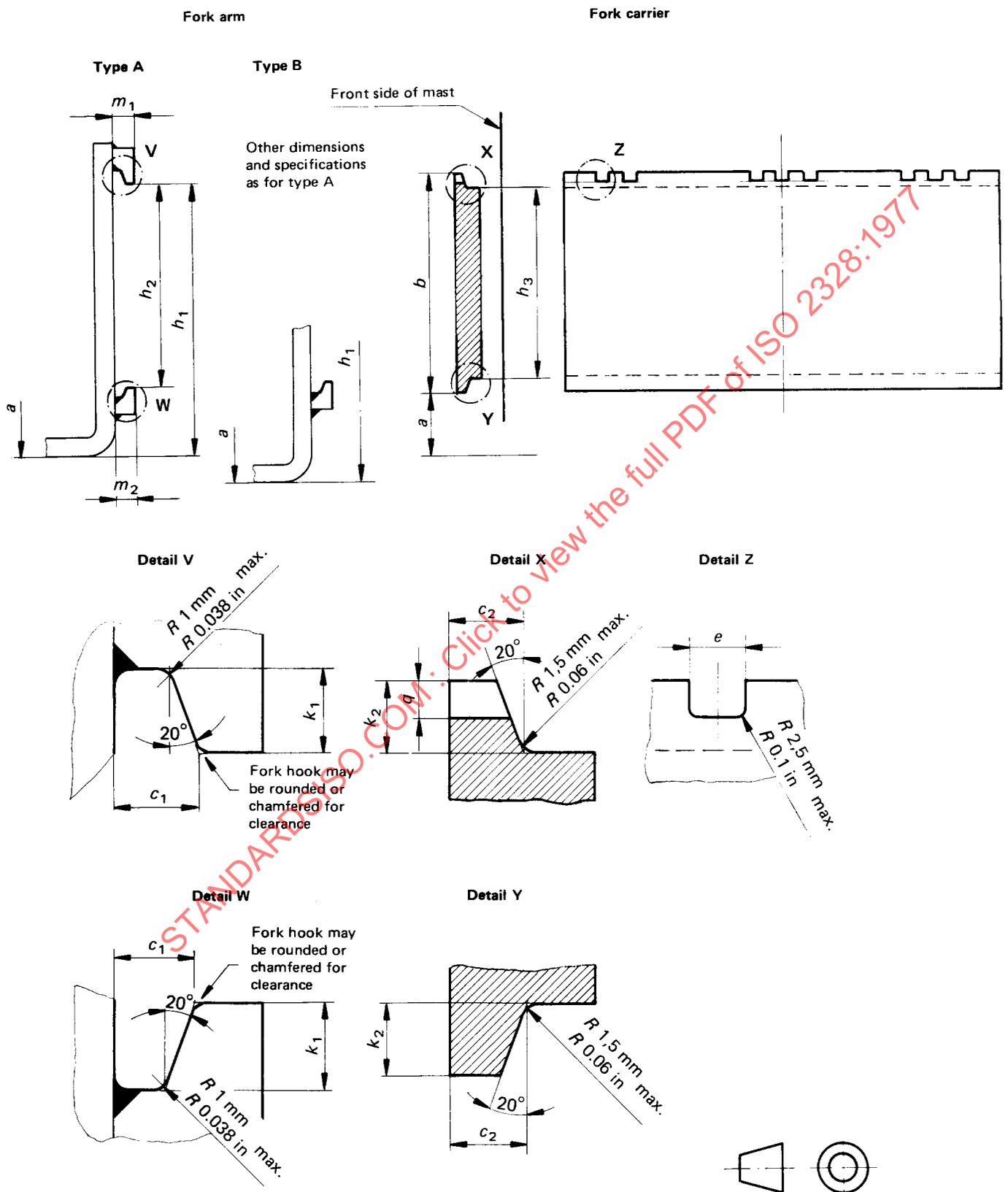


FIGURE — Fork arm and fork carrier

3.1 Dimensions in millimetres

TABLE 1 – Mounting dimensions of fork arms

Manufacturer's rated capacity		Rated load centre distance	Fork-arm type	a (Ref.)	c ₁ +1 0	h ₁ ± 3	h ₂		m ₁ max.	m ₂ max.	k ₁ min.
Class	kg						tol.				
1	up to 999	400	A	76	17,5	394	307	+1 0	28	26	14
			B	114		432					
2	1 000 to 2 500	500	A	76	17,5	470	383	+1 0	31	29	14
			B	152		546					
3	2 501 to 4 999	500	A	76	23	568	478	+1,5 0	40	38	17
			B	203		695					
4	5 000 to 6 300	600	A	127	27	743	599	+1,5 0	47	45	20
			B	254		870					

TABLE 2 – Mounting dimensions of fork carrier

Manufacturer's rated capacity		Rated load centre distance	Fork-arm type	a (Ref.)	b (Ref.)	c ₂ 0 -1	e ± 0,8	h ₃		k ₂ 0 -1,5	q +1 0
Class	kg							tol.			
1	up to 999	400	A	76	331	16	16	305	0 -1	13	8
			B	114							
2	1 000 to 2 500	500	A	76	407	16	16	381	0 -1	13	8
			B	152							
3	2 501 to 4 999	500	A	76	508	21,5	19	476	0 -1,5	16	10
			B	203							
4	5 000 to 6 300	600	A	127	635	25,5	19	597	0 -1,5	19	12
			B	254							

3.2 Dimensions in inches

TABLE 3 — Mounting dimensions of fork arms

Manufacturer's rated capacity		Rated load centre distance	Fork-arm type	a (Ref.)	c ₁ + 0.04 0	h ₁ ± 0.12	h ₂		m ₁ max.	m ₂ max.	k ₁ min.
Class	lb						tol.				
1	up to 1 999	24	A	3	0.69	15.51	12.09	+ 0.04 0	1.1	1.03	0.55
			B	4.5		17					
2	2 000 to 5 000	24	A	3	0.69	18.5	15.07		1.22	1.16	0.55
			B	6		21.5					
3	5 001 to 9 999	24	A	3	0.91	22.37	18.82	+ 0.06 0	1.59	1.53	0.67
			B	8		27.37					
4	10 000 to 14 000	24	A	5	1.06	29.25	23.59		1.85	1.78	0.79
			B	10		34.25					

TABLE 4 — Mounting dimensions of fork carrier

Manufacturer's rated capacity		Rated load centre distance	Fork-arm type	a (Ref.)	b (Ref.)	c ₂ 0 - 0.04	e ± 0.03	h ₃		k ₂ 0 - 0.06	g + 0.04 0
Class	lb							tol.			
1	up to 1 999	24	A	3	13.03	0.63	0.63	12.01	0 - 0.04	0.51	0.32
			B	4.5							
2	2 000 to 5 000	24	A	3	16.02	0.63	0.63	15		0.51	0.32
			B	6							
3	5 001 to 9 999	24	A	3	20	0.85	0.75	18.74	0 - 0.06	0.63	0.4
			B	8							
4	10 000 to 14 000	24	A	5	25	1	0.75	23.5		0.75	0.47
			B	10							