

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 730

THREE-POINT LINKAGE OF AGRICULTURAL WHEELED TRACTORS
FOR ATTACHMENT OF MOUNTED IMPLEMENTS

1st EDITION
May 1968

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BRIEF HISTORY

The ISO Recommendation R 730, *Three-point linkage of agricultural wheeled tractors for attachment of mounted implements*, was drawn up by Technical Committee ISO/TC 22, *Automobiles (Section ISO/TC 22(T) – Agricultural Tractors)*, the Secretariat of which is held by the Association Française de Normalisation (AFNOR).

Work on this question by the Technical Committee began in 1954 and led, in 1962, to the adoption of a Draft ISO Recommendation.

In December 1965, this Draft ISO Recommendation (No. 876) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Australia	France	Sweden
Austria	Hungary	Switzerland
Belgium	Israel	Turkey
Brazil	Italy	U.A.R.
Bulgaria	Japan	United Kingdom
Canada	Netherlands	U.S.A.
Chile	New Zealand	Yugoslavia
Czechoslovakia	Poland	
Finland	Spain	

Three Member Bodies opposed the approval of the Draft :

Germany
Portugal
U.S.S.R.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council which decided, in May 1968, to accept it as an ISO RECOMMENDATION.

THREE-POINT LINKAGE OF AGRICULTURAL WHEELED TRACTORS FOR ATTACHMENT OF MOUNTED IMPLEMENTS

1. SCOPE

This ISO Recommendation covers requirements for the attachment of implements or equipment to the rear of agricultural wheeled tractors by means of a three-link hitch in association with a power lift.

2. FIELD OF APPLICATION

Two categories of dimensions are specified, the recommended use of each being distinguished according to the drawbar pull during the first five hour test specified by the test code for tractors (drawbar tests at 75 % of the pull corresponding to maximum drawbar power, in the gear selected).

Category 1 : only intended for *light-medium* wheeled tractors, i.e. tractors showing a test result of up to 1150 kgf (2500 lbf), that is 1125 daN, drawbar pull.

Category 2 : intended for *medium-heavy* wheeled tractors, i.e. tractors showing a test result of more than 1150 kgf (2500 lbf), that is 1125 daN, drawbar pull.

3. DEFINITIONS OF TERMS

3.1 General

3.1.1 *Linkage*. Combination of one upper link and two lower links, each articulated to the tractor and the implement at opposite ends, in order to connect the implement to the tractor.

3.1.2 *Hitch point*. Articulated connection between a link and the implement; for geometrical purposes the hitch point is the centre of the articulated connection between a link and the implement.

3.1.3 *Link point*. Articulated connection between a link and the tractor; for geometrical purposes the link point is the centre of the articulated connection between a link and the tractor.

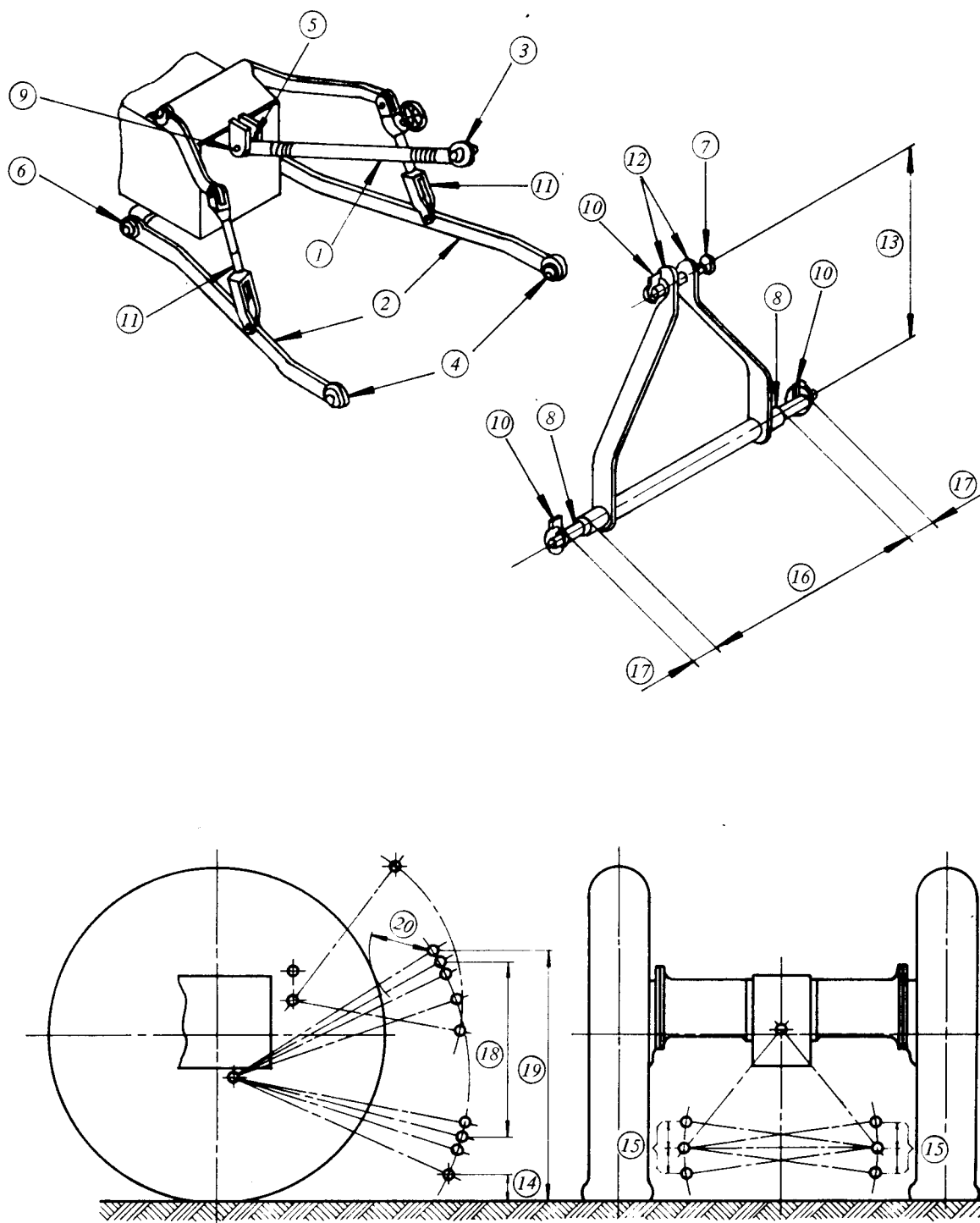


FIG. 1 – Components and dimensional characteristics of three-point linkage
(See clauses 3.2 and 3.3)