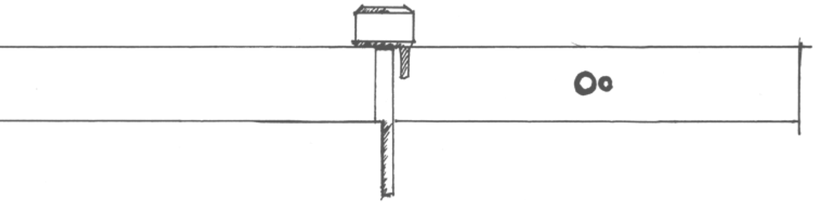
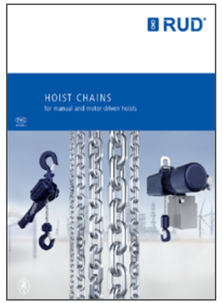


LIMIT GAUGES

MANUFACTURER	MOTORDRIVEN	MANUAL DRIVEN	DRIVEN PART NO.
CM / Yale		×	7993866
CM / Yale	×		7996272
DEMAG (DK / DC + PK)	×		7101452
GIS	×		51622
HADEF		×	7995835
HADEF (AK + GEDI)	×		7900303
KITO		×	7994684
LIFTKET	×		7992010
J.D. NEUHAUS	×		62540
R.STAHL / STAHL CRANESYS-TEMS	×		7994103
TIGER (T + VH)		×	7907394
VERLINDE / KONE / SWF	×		7993092
ABUS	×		7909386
INGERSOLL RAND	×		7913718



For more information on hoist chains for motor-driven andmanual hoists, also request our **HOIST CHAINS** catalogue.

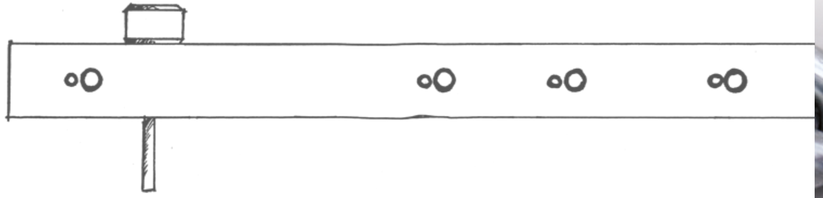
RUD PORTAL: www2.rud.com
Test certificates for hoist chains can be quickly and easily downloaded and archived!

RUD Ketten
Rieger & Dietz GmbH u. Co. KG
Friedensinsel
73432 Aalen / Germany
Tel. +49 7361 504-1382
E-Mail: hoistchains@rud.com
Web: hoistchains.rud.com

RUD

ENG
EDITION_2

LIMIT GAUGE
FOR HOIST CHAINS



… OUR TOOL FOR YOUR NEXT SERVICE …

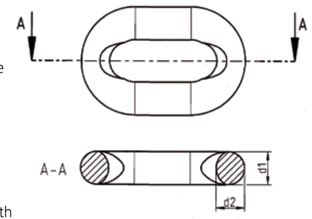
As the owner of a hoist, you are required to continuously monitor the wear and tear on your hoist chain in accordance with DIN 685 T5 orISO 7592. This is to ensure optimum operational safety and thus avoid accidents with unforeseeable damage.

A chain may have reached its service life end due to wear of its single or multiple link pitch attachments; wear of the wire diameter, and/or plastic deformation of its chain links due to overloading.

We at RUD have developed a tool - a limit gauge - for you. With this tool, you can check a chain multiple link pitch attachment and determine whether the chain is worn.

Our limit gauges can be adapted to a manufacturer's different hoist types (each hoist manufacturer has its own chain sizes). Therefore, we need to know the hoist manufacturer and if the hoist is manual or motor-driven.

Our tool is handy, lightweight and perfectly packed, making it easy for you to tests directly on the hoist. You can measure wear on the unloaded and loaded chain strands.

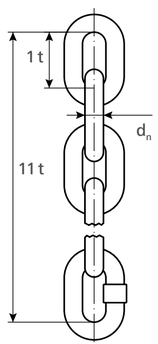


… SIMPLE SETUP FOR FAST RESULTS …

- Our RUD limit gauge consists of on aluminium strip with guide holes for the measuring pins as well as locking holes for the locking studs attached to the measuring pin.

- The size of the chain to be tested – dn × t – is marked below the guide holes.

The two galvanised measuring pins provided with locking studs are located, together with the limit gauge, in a high quality softshell bag

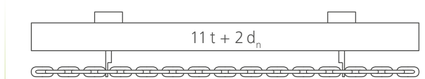


d_n = Nominal diameter
t = inner pitch attachment
11 t = Length over 11 links

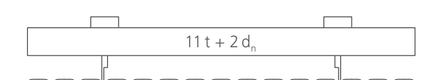
… EASY HANDLING, EVEN DURING USE …

Checking the end of service life via an external gauging (gauge length 11 t + 2 d_n)
1. One of the two measuring pins is to be inserted into the first guide hole
2. Insert the second measuring pin into the respective guide hole of the chain which size is to be tested.

Gauge length L_o= 11 t + 2 d_n
Discard dimension LA = L_o + 2% or 3%



Can you insert the measuring pins into the chain if the size is over 11 t + 2 d_n? If so, the chain is still in good condition and cancontinue to be used.



If a chain with an over 11 t multiple link pitch attachment has undergone a pitch attachment increase due to wear or distortion by more than 2% (motorised hoist) or 3% (manual hoist), then the measuring pins of the limit gauge can no longer be inserted into the chain. The chain has reached its service life end and must be replaced.