



**ComInTec**<sup>®</sup>  
Safety in Power Transmission

# CHAIN COUPLING

up to 8,000 Nm and 110 mm bore diameters



ED. 07/2021



- Download catalog
- Download instruction sheets

# GC

## GC - chain coupling: technical data



- Made in steel fully turned with standard treatment of phosphating.
- Negligible power loss, absorbed by the coupling.
- Simple manufacturing.
- Hardening of hub teeth.
- Optimum quality / price ratio.
- Maintenance without moving the hubs axially.

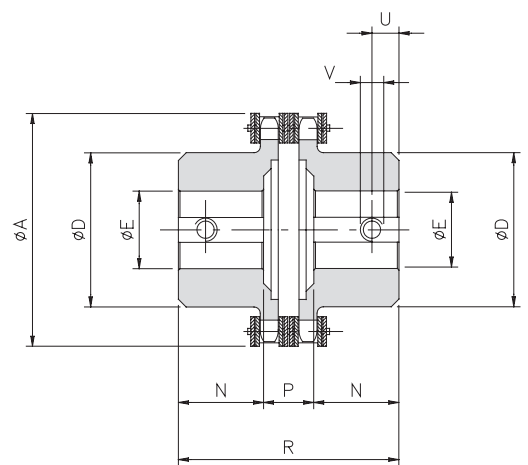
### ON REQUEST

- Various hub connection type available on the hubs.
- Specific surface treatments.
- Customised versions for specific needs.
- Connection to the Torque limiter's (safety coupling) range possible.

The chain coupling GC consists of two steel sprockets, machined and connected by a double chain. The manufacture of the coupling completely in steel allows to use at high temperatures and reduce the loss of power between the driving and driven.

### DIMENSIONS

Size	A	D	E H7		N	P	R	U	V
			pilot	max					
01	45	25	8	12	9	13	31	4	M3
00	57	37	10	20	20	21	61	5	M3
0	75	50	12	28	19	23	61	8	M4
1	101	70	16	38	29	29	87	12	M6
2	126	89	20	55	38	32	108	12	M6
3	159	110	20	70	56	24,5	142,5	15	M8
4	183	130	28	80	59	37	155	15	M8
5	216	130	30	80	88	40	216	15	M8
6	291	150	40	90	103	46	252	25	M10
7	310	170	50	110	124	47	295	25	M10



### TECHNICAL CHARACTERISTICS

Size	Max torque [Nm]	Pitch (double chain) ISO-R 606	Weight [Kg]	Inertia [kgm <sup>2</sup> ]	Max speed [Rpm]	Misalignments		
						Angular $\alpha$ [°]	Axial X [mm]	Radial K [mm]
01	140	3/8" x 7/32" z12	0,2	0,00002	6000	2°	1,50	0,20
00	190	3/8" x 7/32" z16	0,6	0,00009	5000		1,50	0,20
0	600	3/8" x 7/32" z22	1,0	0,00030	3800		1,50	0,20
1	700	1/2" x 5/16" z22	2,7	0,00148	2800		2,40	0,25
2	1400	3/4" x 7/16" z18	5,4	0,00497	2200		3,20	0,30
3	2500	1" x 17,02 z17	11,8	0,01817	1800		4,50	0,35
4	3200	1" x 17,02 z20	16,9	0,03530	1500		4,80	0,40
5	4000	1" x 17,02 z24	19,5	0,05333	1300		4,80	0,40
6	7000	1" 1/4 x 3/4" z26	42,5	0,19027	1000		6,30	0,50
7	8000	1" 1/4 x 3/4" z28	58,6	0,28643	900		6,30	0,50

### ORDER EXAMPLE

CHAIN COUPLING					
Model	Size	Bore 1	Hub connection bore 1	Bore 2	Hub connection bore 2
GC	6	d1=80 H7	A1	d2=70 H7	A1

Model	Size	Hub connection
GC chain coupling	From 01 to 7	see hub connection type list at page 4

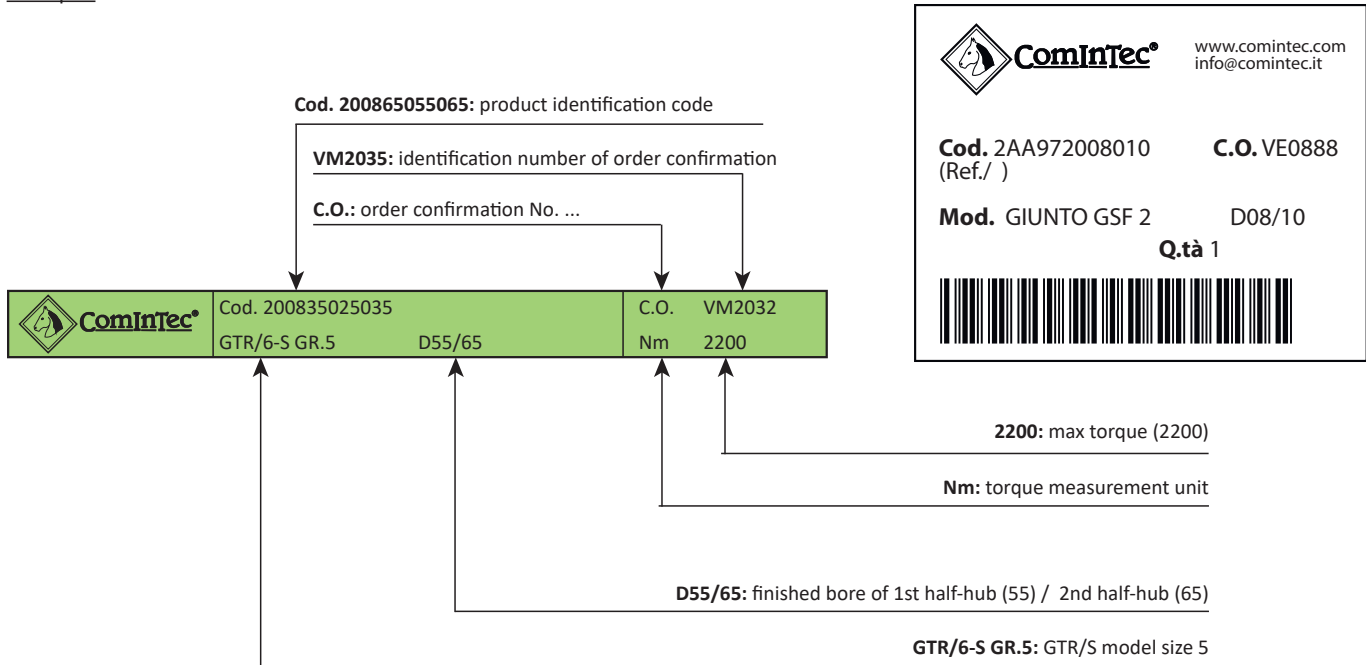
### NOTES

- The weights refer to the coupling with minimum bore.
- Inertias refer to the coupling with maximum bore.
- For choice and availability of different hub connection type see pages 4 and 5.

## LABEL

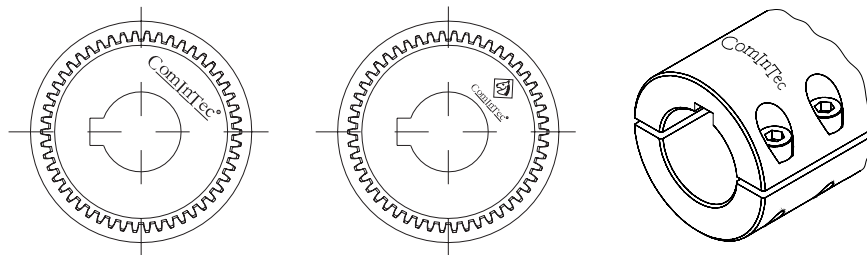
At ComInTec, as an element identifier for each group, we apply a sticker which shows all relevant information required for the traceability of the group and of the same production batch. This is necessary and indispensable to simplify the information needs of spare parts or the reordering of the same group. For some products, a plasticized green sticker is used with indelible ink, applied directly to the group. For other models it is a white adhesive label with thermal transfer ink applied on the packaging of the group.

Example:



Example:

## MARKING



# ComInTec® CERTIFICATION



- Certified company since february 1996 according to **UNI EN ISO 9001:2015**



- Internal and external environment protection complying with **directive 2011/95/CE (RoHS) and directive attached UE 2015/863**, that forbids the use of harmful substances during the production progress or in the end product.



- Company and production completely "Made in Italy".



- Maximum attention to market requests for **directive with 2014/34/UE (ATEX)** for use in potentially explosive environments.



- **ABS certification** to use in the naval sector.



- **European Power Transmission Distributors Association (EPTDA)**. The largest organisation of distributors and manufacturers of power transmission and motion control products in Europe.



- Continuous product research and development, some of them with **Italian and European patent**.



- **REACH (CE) conformity No.1970/2006**.



## Your needs are our priorities

If you need help with a project, ask for assistance or advice from the experts at ComInTec.

Simply fill out this form and send it by e-mail to [tecnico@comintec.it](mailto:tecnico@comintec.it). Your request will be met with the utmost speed.

### General informations:

- Company name: \_\_\_\_\_
- City / State: \_\_\_\_\_
- Name / Surname: \_\_\_\_\_
- Title: \_\_\_\_\_
- Phone: \_\_\_\_\_
- E-mail / website: \_\_\_\_\_
- Quantity: \_\_\_\_\_
- Planned yearly quantities: \_\_\_\_\_
- Target price: \_\_\_\_\_

### Use:

- OEM name / website: \_\_\_\_\_
- Application field / Type of machine: \_\_\_\_\_
- Where it is applied: \_\_\_\_\_
- Model currently used: \_\_\_\_\_
- Nominal torque (Nm): \_\_\_\_\_
- Speed (Rpm): \_\_\_\_\_
- Workplace:
  - Clean
  - Dusty
  - Humid / Wet
  - Other\_\_\_\_\_
- Kind of coupling: \_\_\_\_\_
- Driving shaft diameter (mm): \_\_\_\_\_
- Driving shaft connection type:
  - Keyway
  - Locking assembly
  - Spline (identification \_\_\_\_\_)
  - Other \_\_\_\_\_



- Driven shaft diameter (mm): \_\_\_\_\_
- Driven shaft connection type:
  - Keyway
  - Locking assembly
  - Spline (identification \_\_\_\_\_)
  - Other \_\_\_\_\_
- Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

EVENTUAL ASSEMBLY WITH TORQUE LIMITER (SAFETY COUPLING)

- What it protects: \_\_\_\_\_
- Re-engagement position:
  - Equidistant
  - 360°
  - Not important
  - Other \_\_\_\_\_
- Electric signal of overload required:
  - Yes
  - No
- Notes: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



Available on our web-site comintec.com the real time 3D configurator in different cad formats

I give my consent for the processing and the communication of my personal data for the purposes indicated according to the article 13 of the Regulation UE 2016/679

Signature  
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PLEASE DO SEND OR ATTACH A DRAWING OR PHOTOGRAPH WITH YOUR ENQUIRY AS THIS CAN HELP US TO BETTER UNDERSTAND YOUR APPLICATION.