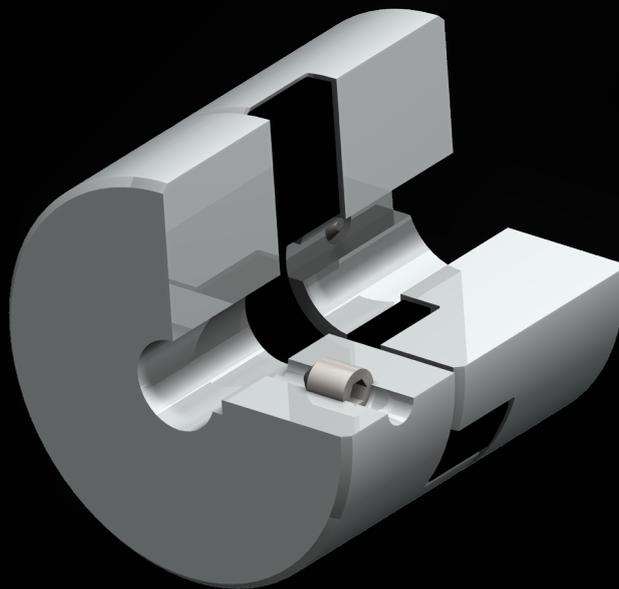


**Mönninghoff**

# **ClawFlex**

## **Type 315**



## ClawFlex - Type 315

### Characteristics and features

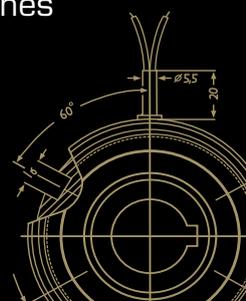
- connects drive shaft and driven shaft
- not backlash-free
- wear-free
- transmitted torque: 1 - 750 Nm
- two hubs are joined by the flexible spider with positive drive and provide emergency running should the spider fail
- different spider selected depending on operating conditions
- pinable



Mönninghoff power transmission represents an infinite variant diversity that is applied by all areas of modern mechanical engineering.

Our technologies are mostly designed to operate under extreme conditions. We offer high precision products for medical robotics, fail-proof security for aerospace technology or synchronization solutions for the packaging or printing industry.

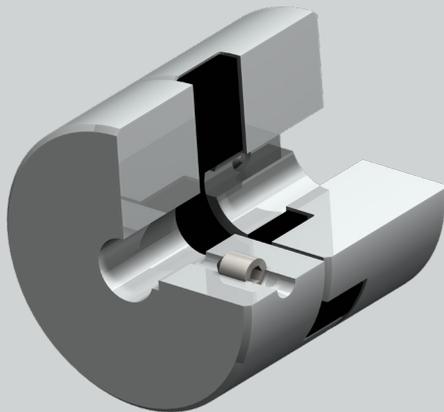
We thus address customers who have the highest standards for their own machines or systems. To them, we can offer highly complex, application-specific solutions.



## ClawFlex - Type 315

### Match code

Mönninghoff ClawFlex couplings are indicated by the following match code:



### 315 . A . B . C

- A** coupling size
- B** hub material
- C** type of spider

Other individual characteristics:

- spider material
- bore size

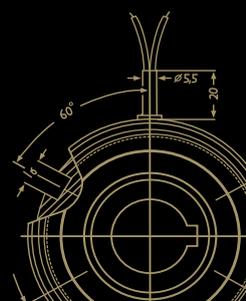
According to these characteristics, we design individual solutions concerning transmitted torque, engaging behavior or rotation speed.

Our engineers can assist with finding an application-specific coupling at any time. Together, we can develop individual and innovative solutions for extreme operating conditions.

### Ordering example

Mönninghoff ClawFlex coupling  
Type 315.095.2.1

Hub material	Aluminium
Spider	NBR
Bore d	20 mm H7, keyway acc. to DIN 6885/1
Bore d <sub>1</sub>	24 mm H7, keyway acc. to DIN 6885/1



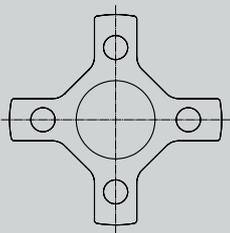
## ClawFlex - Type 315

### Hub material

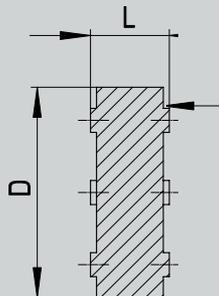
Mönninghoff LJ - shaft couplings are available in different hub materials:

- 2 = Aluminium (AL)                      Size 50 – 110
- 3 = Cast iron (GG)                        Size 150 – 225

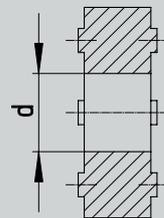
### Type of spider



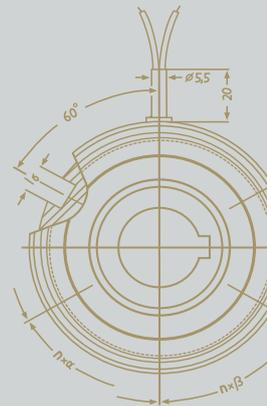
Spider-form either  
4 or 6 star-shaped



Design A  
in the center massive



Design C  
in the center pierced



### Spidermaterials

Different spidermaterials are also available for the ClawFlex coupling.

- 1 = NBR
- 8 = Hytrel

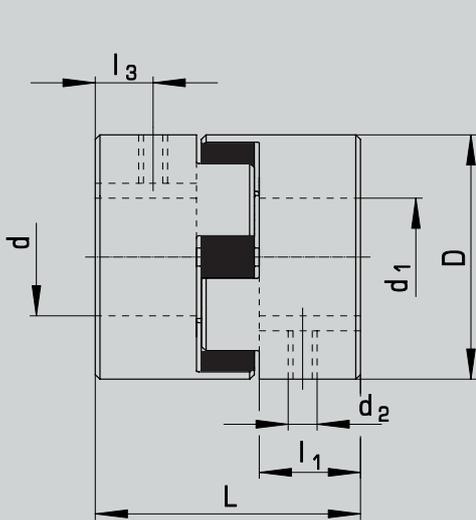
### Technical data for spiderform and -materials

- spider with a solid center to ensure a high bending resistance
- some sizes are available with recesses or with a central bore
- unless stated differently in customers orders the spiders are supplied in NBR material

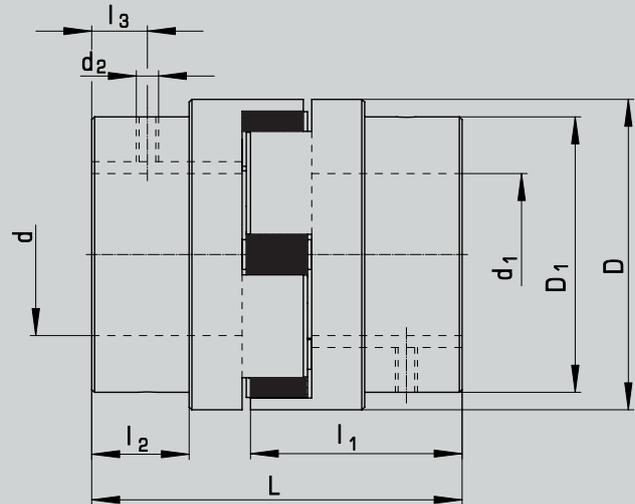
Size		50	70	75	90	95	100	110	150	190	225
spider design	A	-	8	8	1; 8	1; 8	1; 8	1; 8	1; 8	1; 8	1; 8
	C	1; 8	1	1	-	-	-	-	-	-	-
dimensions	$d_{min}$ [mm]	-	12	17	18	18	25	29	31	34	43

## ClawFlex - Type 315

### Design



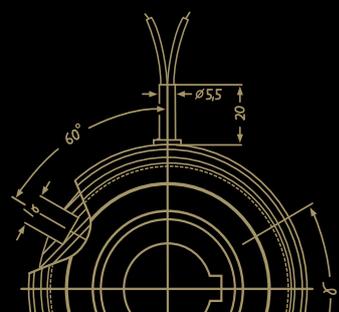
Size 50 – 110



Size 150 – 225

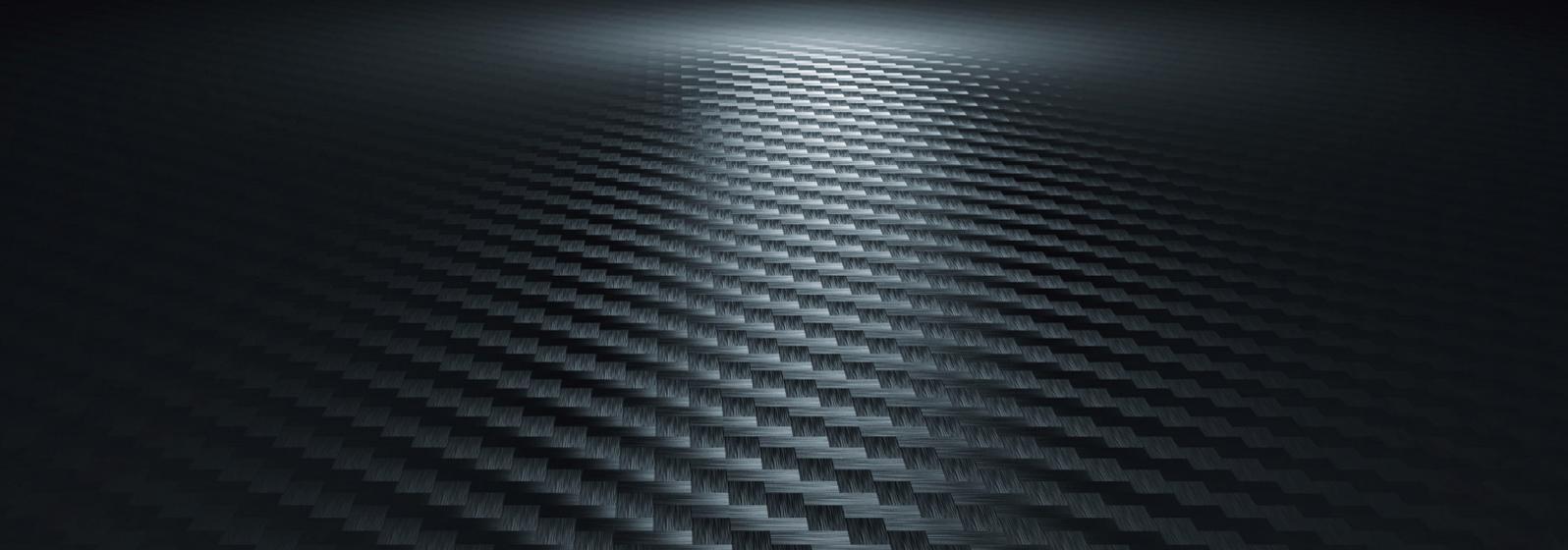
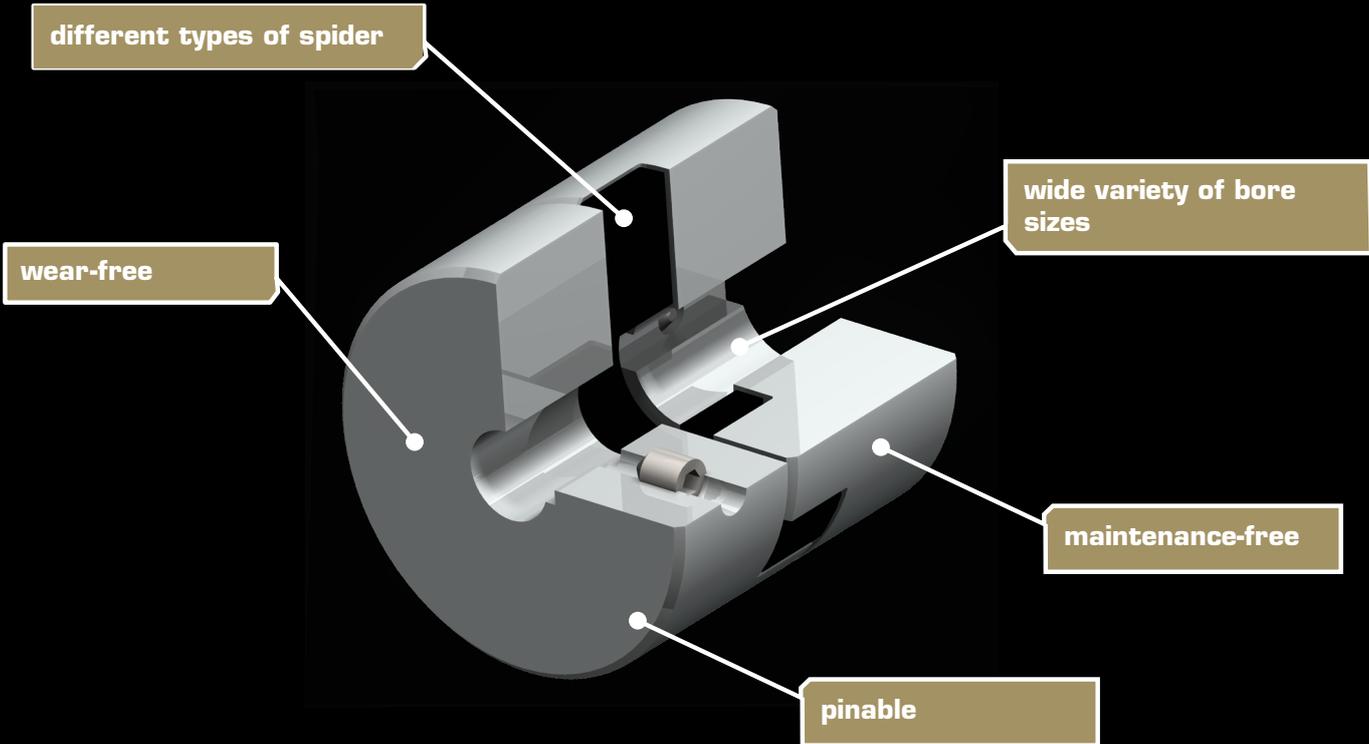
### Technical data

Size			50	70	75	90	95	100	110	150	190	225
torque	spider NBR	[Nm]	5	10	15	30	50	100	200	320	300	450
	spider Hyrtel		7	15	25	45	65	130	260	420	550	750
max. speed $n_{max}$		[min <sup>-1</sup> ]	7000	5000	5000	4000	4000	3500	3000	3000	3000	3000
angular misalignment		[°]	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5
radial misalignment		[mm]	0,1	0,1	0,2	0,2	0,2	0,4	0,5	0,6	0,6	0,7
bore d, d <sub>1</sub> H7	min.	[mm]	7	7	7	12	12	14	16	16	20	28
	max.		16	20	26	28	28	35	48	48	60	65
weight		[kg]	0,06	0,11	0,18	0,34	0,27	0,58	1,25	-	-	-
			-	-	-	-	-	-	-	4,05	7,3	9,5
dimensions	D	[mm]	27	35	45	54	55	66	85	96	115	127
			-	-	-	-	-	-	-	80	102	108
	d <sub>2</sub>		M5	M5	M5	M6	M6	M8	M8	M8	M8	M8
	L		43	50	54,5	55	61	88	110	115	133	154
	l <sub>1</sub>		15,5	18,5	21	21	24	35	44	45	54	64
l <sub>2</sub>		-	-	-	-	-	-	-	32	35	45	
l <sub>3</sub>		8	10	10	12	12	18	20	20	20	25	



**ClawFlex - Type 315**

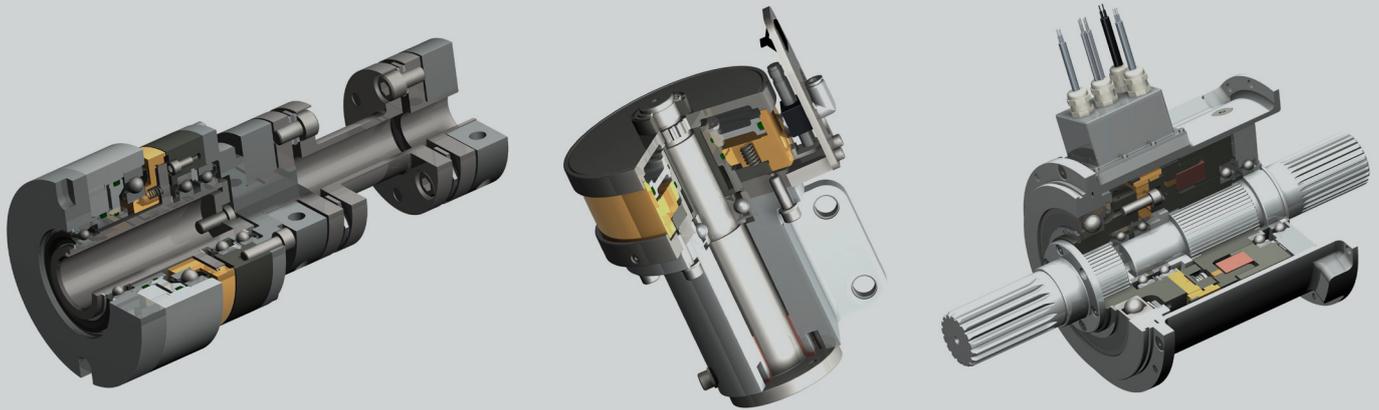
**At a glance**



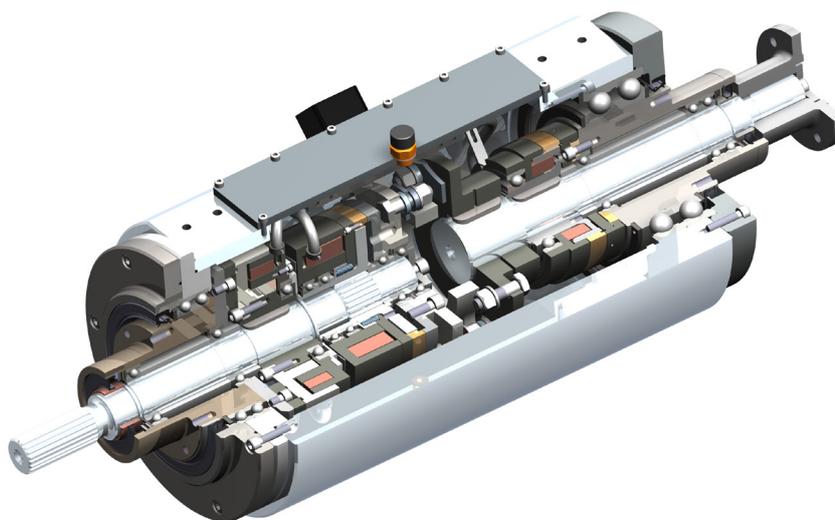
## System solutions

### You need more?

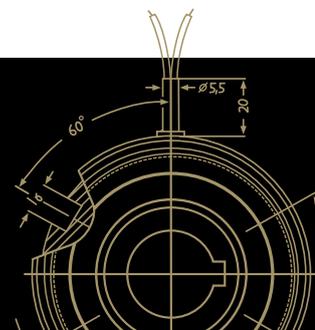
Mönninghoff clutches can be combined with a variety of many other power transmission elements. Such complex high-tech systems can solve any application-specific tasks and can fulfill any customer-specific wishes.



In many cases, a combination of different drive elements is needed to solve the applications particular problems and difficulties. Being not just supplier but technological partner to our customers, our extensive engineering is part of extraordinary and challenging power transmission projects.



**Our product is the know-how,  
with hardware as an added bonus.**



## Driven by excellence

### Why Mönninghoff

- intensive dialog with our customers' engineers
- decades of experience and competence
- deep understanding for all areas of mechanical engineering
- highly modern and flexible machine park
- enthusiasm for quality
- flexibility, inventiveness and communication skills of our employees
- commitment to Germany and Bochum as industrial location

### How to reach us

#### Sales

sales@moenninghoff.de  
+49 2327 3033-250



Helps you find a customer-specific power transmission solution for extraordinary circumstances.

#### Order Management

confirmation@moenninghoff.de  
+49 2327 3033-353



For the competent processing and smooth handling of your orders and delivery dates.

#### Service

service@moenninghoff.de  
+49 2327 3033-333



Feels committed to protect and preserve the high value of your machine and to secure its availability.

