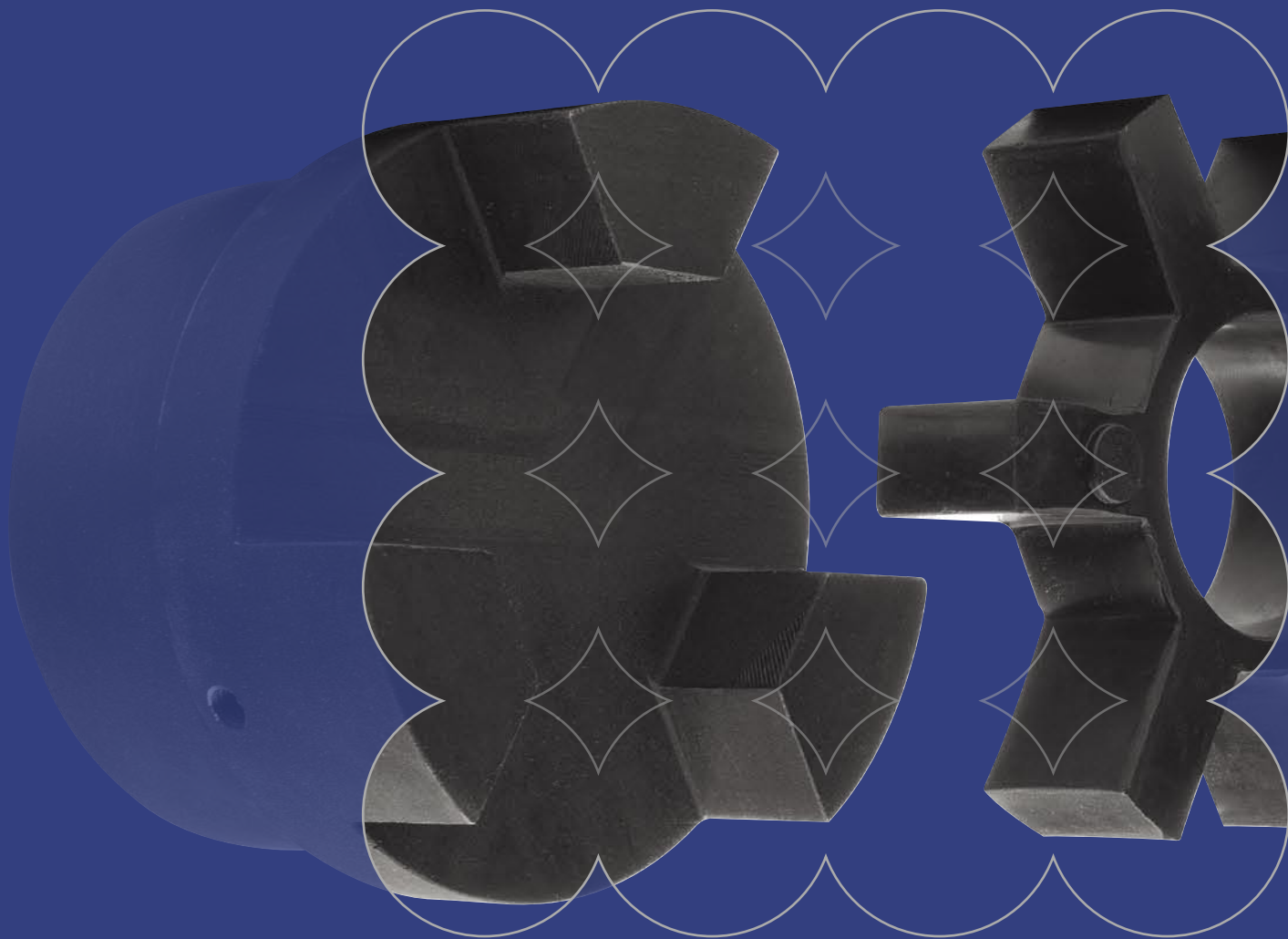


# *Spiderjaw and Spiderwrap Couplings*



**RENOLD**  
Superior Coupling Technology

[www.renold.com](http://www.renold.com)

# RENOLD

## Strength through Service

Renold Gears has been manufacturing high quality, high specification gear units for over 100 years and has always been at the leading edge of gear technology with innovative products and power transmission solutions.

## Interchangeability

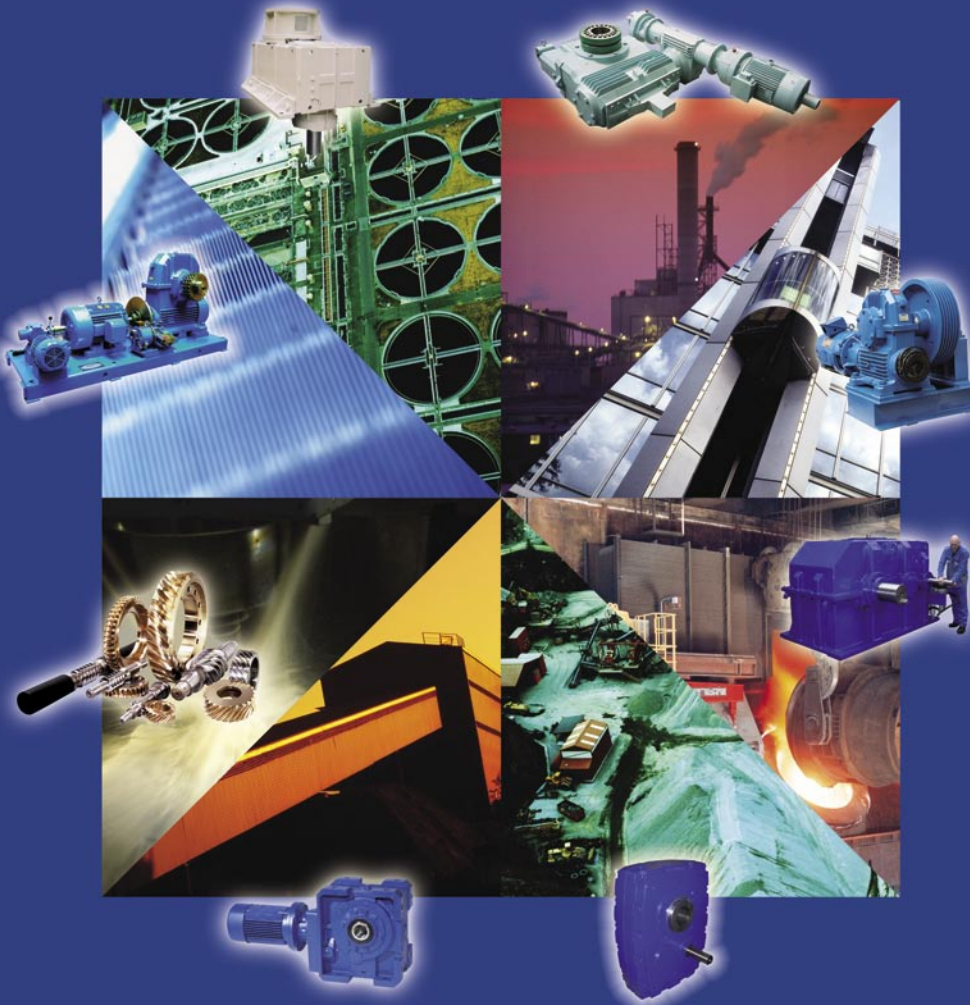
Many of the products from Renold Gears are dimensionally interchangeable with other manufacturers gear units, allowing a trouble free replacement of gearboxes, in most cases upgrading the capacity through state of the art technology and materials.

## Custom Made

Renold Gears is unique in it's ability to offer custom made products designed to meet customers exacting requirements without compromise on availability and cost. From complete package solutions to individual precision replacement gears, all can be tailor made to meet specific applicational requirements.

## Available

The most popular ranges of gearboxes are available from local distribution stock, backed up by extensive stocks from our manufacturing plant in the UK.



# RENOLD

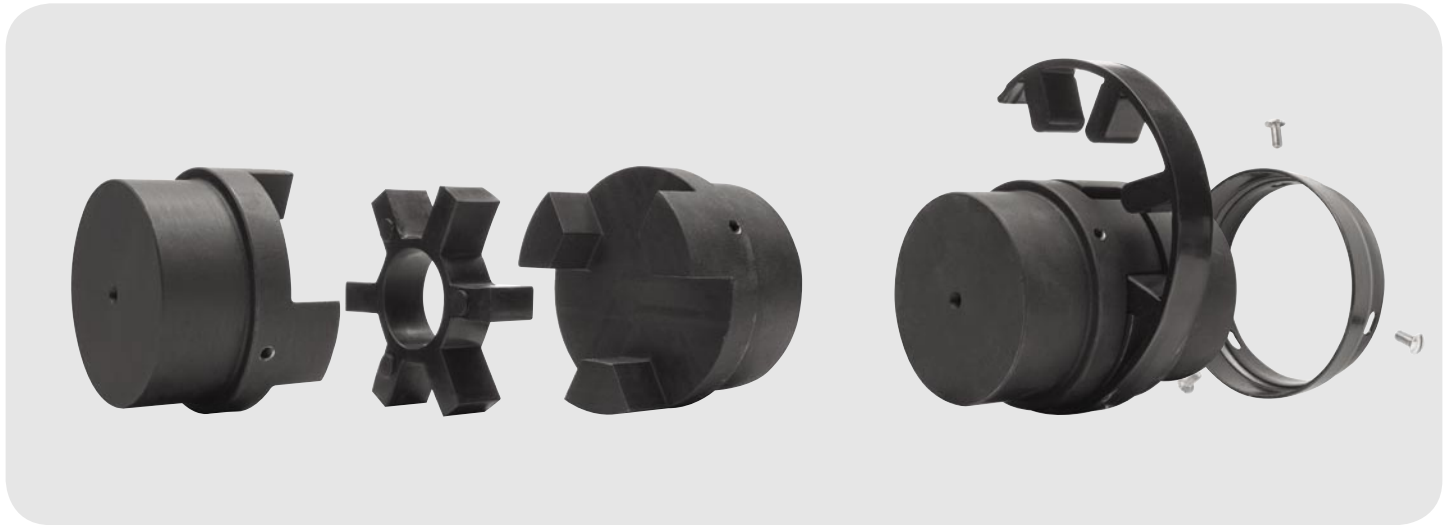
Superior Gear Technology

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## Spiderjaw and Spiderwrap



**A medium power torsionally flexible coupling combining shock absorbing and misalignment capacity, used in the widest range of industries and applications**

### Coupling capacity

- Maximum power @ 100rpm: 45kW
- Maximum torque: 4308Nm

### Features and benefits

- Torsionally flexible - shock absorbing, extending machine life
- Maintenance free - minimum number of wearing parts
- Misalignment capabilities allowing flexibility in installation
- Jaw Wrap allows external wrap fitting of elastomeric element
- Cost effective - offering low cost product with a high quality design
- Jaw Wrap ensures machinery downtime kept to a minimum so ensuring continued process
- Dimensionally interchangeable with other Spider Jaw Couplings - Lovejoy, Browning & Fenner

- Taper bush bores available for ease of maintenance
- Compact design - small, with high torque capacity

### Standard range comprises

- Shaft to shaft
- Taper bush
- Pilot bored
- Bored and keywayed to customers requirements

### Applications

- Bulk handling
- Compressors
- Generator sets
- Metals manufacture
- Pumps
- Conveyor drives
- Paper converting

- Logging
- General industrial applications

### General details

Coupling materials available include:

- Cast iron half bodies
- Sintered iron half bodies
- Aluminium half bodies

Elements available include:

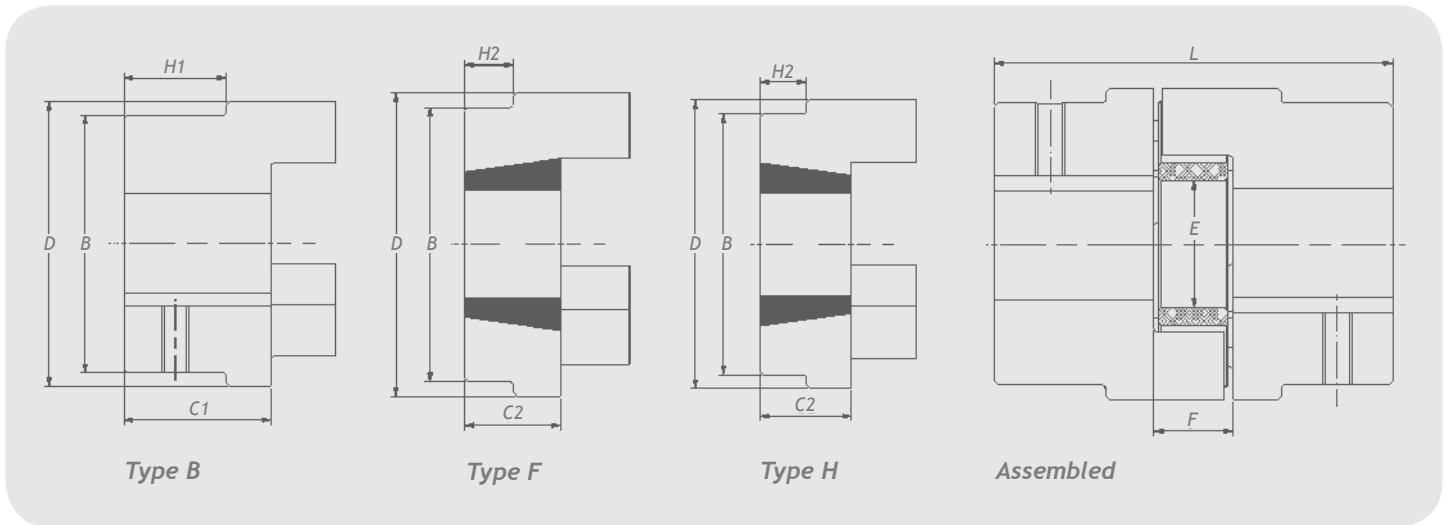
- Nitrile (standard)
- Urethane
- Hytrel
- Bronze



Can be certified for use in potentially explosive atmospheres containing gas or dust, according to ATEX directive 94/9/EC.

The couplings are classified for equipment group 2 category 2 GD equipment.

Contact Renold for further details.

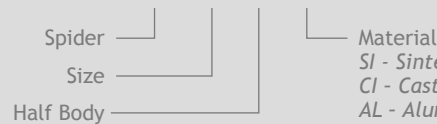


Renold Spider Ref	Renold Ref	Power*1 /100rpm kW	Torque*1 Nominal Nm	Speed Max rpm	Type B Bore		Type F&H			Dimensions							
					Max	Min	Bush Size	Bore		B mm	C1 mm	C2 mm	D mm	E mm	F mm	H1 mm	H2 mm
								Max	Min								
S11	SPDR35	0.004	0.4	31000	10	4	-	-	-	-	6.6	-	16	-	7	-	-
	SPDR50	0.03	2.8	18000	16	6	-	-	-	-	15	-	27.4	-	12.4	-	-
S15	SPDR70	0.05	4.9	14000	20	8	-	-	-	-	19	-	34.5	-	12.9	-	-
	SPDR75	0.10	9.8	11000	22	8	-	-	-	-	21	-	44.5	18	13.2	-	-
S21	SPDR95	0.22	21.1	9000	28	12	-	-	-	49	25	-	54	22	13.5	13	-
	SPDR99	0.37	35.1	7000	30	12	1008	25	-	51	27	23.5	65	26.2	17.7	14	10.5
S30	SPDR100	0.49	46.4	7000	35	12	1108	28	-	57	35	23.5	65	26.2	17.7	22	10.5
	SPDR110	0.93	89	6000	42	16	1210	32	-	76	43	26.5	85	34.5	21.4	30	13.5
S37	SPDR150	1.49	141	5000	48	16	1210	32	-	80	45	26.5	96	31.8	25.2	30	11.5
	SPDR190	2.01	190	4400	60	20	1610	42	-	102	54	26.5	115	35	25.8	38	10.5
S37	SPDR225	2.76	265	4000	65	20	2012	50	-	111	64	33.5	127	45	26.2	48	17.5
	SPDR226	3.43	327	3700	70	28	2012	50	-	119	69.5	33.5	137	45	39.5	54	18
S37	SPDR276	5.60	532	3300	75	28	2517	60	-	127	79.5	46.5	157	45	42	61	28
	SPDR280	8.20	782	2800	80	32	2517	60	-	140	79.5	46.5	192	55	42	63	30
S37	SPDR295	13.40	1279	2300	95	32	3020	75	-	162	94.5	52.5	237	67.9	51.5	75	33
	SPDR300	31.90	3047	2100	105	38	3020	75	-	180	114.5	52.5	254	73	53	92	30
S37	SPDR350	45.00	4308	1800	115	45	-	-	-	200	127.5	89	305	87.5	53	103	64.5

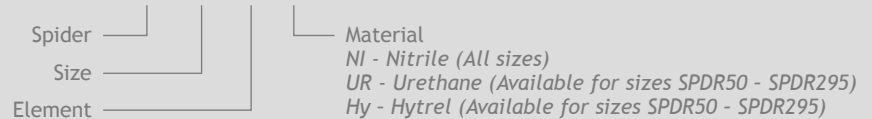
Renold Ref	Assembled overall length L		
	With half body combinations		
	BB	FF, FH, HH	FB, HB
SPDR35	20.2	-	-
SPDR50	42.4	-	-
SPDR70	50.9	-	-
SPDR75	55.2	-	-
SPDR95	63.5	-	-
SPDR99	71.7	64.7	68.2
SPDR100	87.7	64.7	76.2
SPDR110	107.4	74.4	90.9
SPDR150	115.2	78.2	96.7
SPDR190	133.8	78.8	106.3
SPDR225	154.2	93.2	123.7
SPDR226	178.5	106.5	142.5
SPDR276	201	135	168
SPDR280	201	135	168
SPDR295	240.5	156.5	198.5
SPDR300	282	158	220
SPDR350	308	231	269.5

### Ordering code

Half Body SPDR 110 HBDY CI



Element Kit SPDR 110 ELMT NI



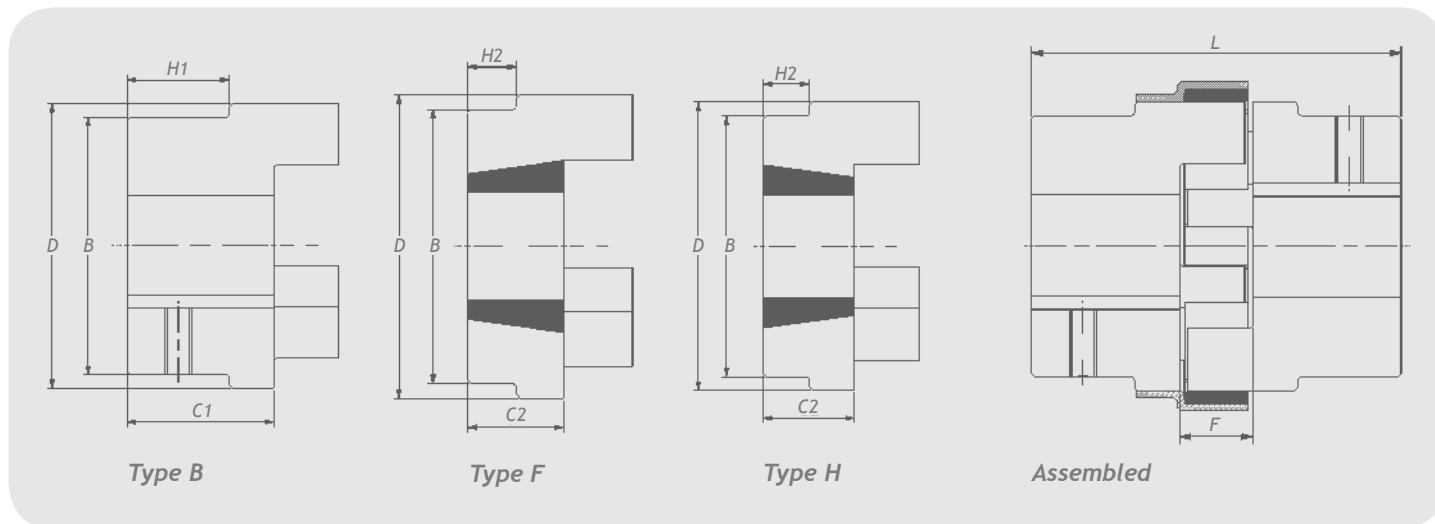
\*1 Power and Torque values quoted are for Nitrile Rubber elements (NBR).

Urethane elements have around 1.5 times the torque capacity, but provide less damping effect.

Hytre elements offer around 2.5 times the torque capacity but have even less damping effect and are best used for continuous load applications rather than cyclic or stop/start situations.

Please contact Renold technical department for more information on these alternative element materials.

# Spiderwrap

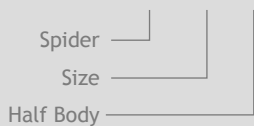


Renold Spider Ref	Renold Ref	Power*1 /100rpm kW	Torque*1 Nominal Nm	Speed Max rpm	Type B Bore		Type F&H			Dimensions							
					Max	Min	Bush Size	Bore		B mm	C1 mm	C2 mm	D mm	E mm	F mm	H1 mm	H2 mm
								Max	Min								
S21	SPDR95	0.220	21.1	9000	28	12	-	-	-	49	25	-	65	22	13.5	13	-
	SPDR99	0.37	35.1	7000	30	12	1008	25	-	51	27	23.5	78	26.2	17.7	14	10.5
S30	SPDR100	0.49	46.4	7000	35	12	1108	28	-	57	35	23.5	78	26.2	17.7	22	10.5
	SPDR110	0.93	89	6000	42	16	1210	32	-	76	43	26.5	96	34.5	21.4	30	13.5
S37	SPDR150	1.49	141	5000	48	16	1210	32	-	80	45	26.5	111	31.8	25.2	30	11.5
	SPDR190	2.01	190	4400	60	20	1610	42	-	102	54	26.5	129	35	25.8	38	10.5
	SPDR225	2.76	265	4000	65	20	2012	50	-	111	64	33.5	142	45	26.2	48	17.5
	SPDR226	3.43	327	3700	70	28	2012	50	-	119	69.5	33.5	153	45	39.5	54	18
	SPDR276	5.60	532	3300	75	28	2517	60	-	127	79.5	46.5	173	45	42	61	28
	SPDR280	8.20	782	2800	80	32	2517	60	-	140	79.5	46.5	208	55	42	63	30
	SPDR295	13.40	1279	2300	95	32	3020	75	-	162	94.5	52.5	253	67.9	51.5	75	33
	SPDR300	31.90	3047	2100	105	38	3020	75	-	180	114.5	52.5	272	73	53	92	30
	SPDR350	45.00	4308	1800	115	45	-	-	-	200	127.5	89	323	87.5	53	103	64.5

Renold Ref	Assembled overall length L		
	With half body combinations		
	BB	FF,FH,HH	FB, HB
SPDR95	63.5	-	-
SPDR99	71.7	64.7	68.2
SPDR100	87.7	64.7	76.2
SPDR110	107.4	74.4	90.9
SPDR150	115.2	78.2	96.7
SPDR190	133.8	78.8	106.3
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SPDR226	178.5	106.5	142.5
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SPDR295	240.5	156.5	198.5
SPDR300	282	158	220
SPDR350	308	231	269.5

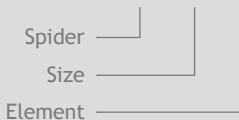
### Ordering code

Half Body SPDR 110 HBDY CI



Material  
 CI - Cast iron (All sizes)  
 AL - Aluminium (Available for sizes SPDR95 - SPDR110)

Element Kit SPDR 110 ELMT NI



Material  
 NI - Nitrile (All sizes)  
 UR - Urethane (Available for sizes SPDR50 - SPDR295)  
 Hy - Hytrel (Available for sizes SPDR50 - SPDR295)

\*1 Power and Torque values quoted are for Nitrile Rubber elements (NBR). Urethane elements have 1.5 times the torque capacity, but provide less damping effect. Hytrel elements offer 2.5 times the torque capacity but have even less damping effect and are best used for continuous load applications rather than cyclic or stop/start situations.

Please contact Renold technical department for more information on these alternative element materials.

#### Statement:

When ordering a complete coupling you should select two half bodies and one element. If in doubt refer to Renold Sales.

### Legacy Spider Spares

Coupling Size	Spider Flexible Element
S11	644851
S15	644852
S21	644853
S30	644854
S37	644855



*The best range of solution chain products available anywhere*



## **RENOLD** **Synergy**™

- High performance
- Superior wear life
- Outstanding fatigue resistance



## **RENOLD** **Syno**™

- Maintenance free
- Self-lubricating chain
- Food industry-approved lubricant



## **RENOLD**

- Best premium chain
- Leading performance
- Solid bush / solid roller / end softened pin



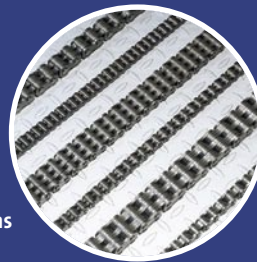
## **Hydro-Service**™

- Superior corrosion resistant coating
- Alternative choice to stainless steel chain
- Will not chip or peel
- Hexavalent chrome-free



## **Steel Pin** **Bush Roller Chain**

- Manufactured to international stds
- Full range of pitch alternatives
- Breaking loads 13 to 900 kN as std
- Attachments to suit varied applications



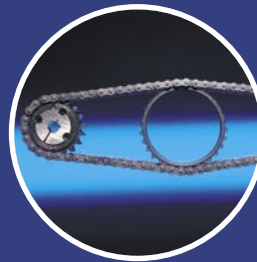
## **Leaf Chain**

- Comprehensive ranges used worldwide for safety critical lifting applications
- 100 years experience in developing and maintaining lifting chain



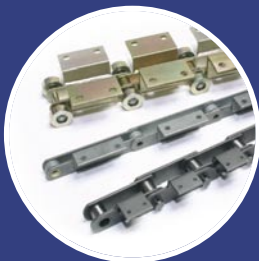
## **Steel Knuckle Chain**

- Heavy duty, detachable elevator chains
- Integral K type attachments
- Breaking loads from 642kN to 1724kN
- Sealed joint to extend chain life



## **Roll-Ring**™

- Revolutionary chain tensioner
- Installed in seconds and self adjusting
- Maintenance free
- Also acts as noise damper



## **Customised** **Engineering Chain**

- Wide range to suit specialised applications using high specification materials and treatment processes
- Designed in close collaboration with customer



## **Smartlink**™

- Load monitoring technology
- Technical reports & data logging

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website.

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