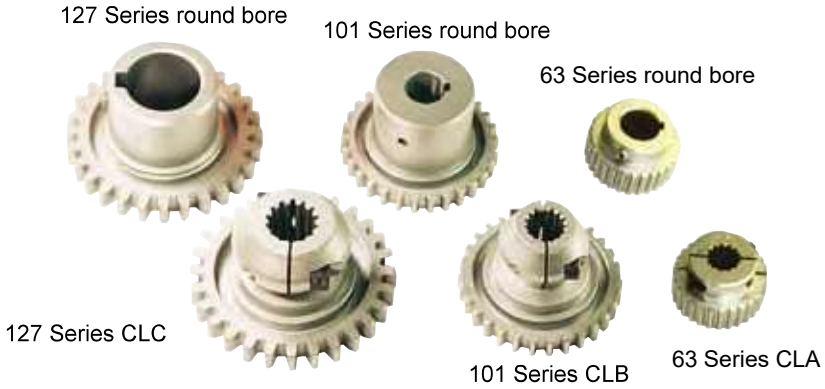
FLEXILOCK FLEXIBLE COUPLINGS FOR HYDRAULIC PUMPS & GENERAL USE

A STANDARD OFF THE SHELF SHAFT COUPLING SYSTEM DEVELOPED SPECIALLY FOR HEAVY DUTY FLUID POWER APPLICATIONS

101 Series Complete coupling



SPLINED SHAFT CONNECTIONS.
The FLEXILOCK range includes most of the splined shaft connections currently utilized on hydraulic pumps and motors including imperial and metric sizes. All splined coupling hubs feature our popular CLAMPLOCK lateral or axial positive locking mechanisms which secure the coupling hub solidly on to the pump shaft and eliminate the spline wear associated with unlocked spline connections.

ROUND BORE KEYED SHAFT CONNECTIONS.
Most standard bore sizes available in imperial and metric sizes to fit standard hydraulic pumps and motors and IEC electric motor shaft standards. Stock availability of standard sizes enables immediate use of the couplings without having to undertake expensive machining of bores and keyways.

POWER RATINGS MATCHED TO APPLICATION.
The coupling design features a large gear teeth form with wide tooth face contact between the steel gear and the polymer element ensuring maximum power capacity in a small package over a long life cycle. Both splined and keyed hub designs are matched to effectively accommodate shaft sizes without excess weight penalty.

BROAD APPLICATION VERSATILITY.
The steel hub design permits ease of modification to suit special applications. Hub gear plates are available for attachment to customer supplied components. Long or short hub versions can be manufactured to special order. SLC and SLD type hubs can be arranged to incorporate sprockets or pulleys for auxiliary drives.

FLEXILOCK SIZING PROGRAM - Consult your distributor to have your FLEXILOCK kit sized by our computer selection program.

PERFORMANCE SPECIFICATIONS.

SERIES	Continuous Power/Rev*	Continuous Torque	Intermittent Power/Rev*	Intermittent Torque
63	0.0118 kW	113 Nm	0.0165 kW	157 Nm
(Code 90)	0.0158 hp	83 ft lbs	0.0221 hp	116 ft lbs
101	0.0354 kW	339 Nm	0.0469 kW	475 Nm
(Code 91)	0.0475 hp	250 ft lbs	0.0665 hp	350 ft lbs
127	0.0661 kW	632 Nm	0.0915 kW	884 Nm
(Code 92)	0.0887 hp	466 ft lbs	0.1242 hp	652 ft lbs

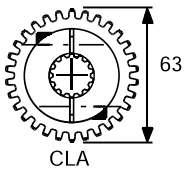
MAXIMUM MISALIGNMENT TOLERANCES.
Axial Displacement. The element total axial clearance to hubs should be no less than 2 mm or no greater than 4 mm total.
Parallel Offset. Hub parallel offset to each other should not exceed 0.5mm
Angular Misalignment. 1° per hub or total included angle of 2°

SPEED.
Consult factory for speeds exceeding 3000 RPM.

*Brief peak starting torque not to exceed 200% of continuous Torque. Consult factory for heavy shock loading or stop/ start loading.
Continuous Power Ratings are for fluid power service, 10 hours per day with hubs within max. misalignment tolerance and temp not exceeding 100°C.
Intermittent Power Ratings are for fluid power service up to 4 hours per day with hubs in true alignment and where the temperature does not exceed 80°C.

63 SERIES CLA

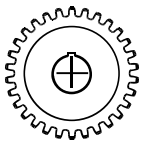
No of Teeth	Origin Standard	Nom Spline OD	Specifications of Spline	Pt Number	Weight(kg)
9	IMP ANSI	0.625"	16/32 INV CL5	90/CLA01	0.5
11	IMP ANSI	0.750"	16/32 INV CL5	90/CLA02	0.5
13	IMP ANSI	0.875"	16/32 INV CL5	90/CLA03	0.5
15	IMP ANSI	1.000"	16/32 INV CL5	90/CLA04	0.5



CLA

63 SERIES RND BORE

Bore	Keyway	Hub OD	Pt Number	Bore	Keyway	Hub OD	Pt Number
0.625"	0.156"	45	**90/90012**	24mm	8mm	45	**90/90074**
19mm	6mm	45	**90/90073**	1.000"	0.250"	45	**90/90015**
0.750"	0.187"	45	**90/90013**	Din 2 taper	3mm	45	**90/90016**
0.875"	0.250"	45	**90/90014**	Din 3 taper	4mm	45	**90/90017**


Round & Taper Bore

ELEMENT PART NUMBER (White) 63 Series **90/03/05741** No of teeth - 29

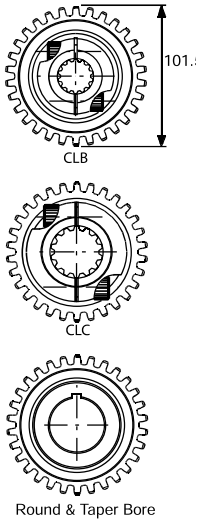
FOR SHAFT SIZES SEE HYDRAULIC MOTOR & PUMP STANDARDS-PAGE 4 & 5 & ELECTRIC MOTOR STANDARDS PAGE 5

FLEXILOCK FLEXIBLE COUPLINGS FOR HYDRAULIC PUMPS & GENERAL USE

101 SERIES HUBS
LATERAL CLAMPLOCK CLB
CLC/CLD
RND BORE

No of Teeth	Origin Standard	Nom Spline OD	Specifications of Spline	Pt Number	Weight(kg)
9	IMP ANSI	0.625"	16/32 INV CL5	**91/CLB01**	1.1
13	IMP ANSI	0.875"	16/32 INV CL5	**91/CLB03**	1.1
15	IMP ANSI	1.000"	16/32 INV CL5	**91/CLB04**	1.1
18	DIN 5480	25mm	1.25 Module INV	**91/CLB20**	1.1
6	IMP	1.375"	6B Straight	**91/CLC33**	1.1
13	IMP ANSI	1.750"	8/16 INV CL5	**91/CLD08**	1.3
14	DIN 5480	30mm	2 Module INV	**91/CLC10**	1.3
14	IMP ANSI	1.250"	12/24 INV CL5	**91/CLC06**	1.3
21	IMP ANSI	1.375"	16/32 INV CL5	**91/CLC07**	1.3
16	DIN 5480	35mm	2 Module INV	**91/CLC11**	1.3
8	DIN 5462	36mm	8T Straight 32x36	**91/CLC115**	1.3
17	IMP ANSI	1.500"	12/24 INV CL5	**91/CLC32**	1.3
23	IMP ANSI	1.500"	16/32 INV CL5	**91/CLC43**	1.3

Bore	Keyway	Hub OD	Pt Number	Bore	Keyway	Hub OD	Pt Number
0.500"	None	63	**91/90067**	35mm	10mm	63.5	**91/90050**
19mm	6mm	63	**91/90073**	38mm	10mm	63.5	**91/90051**
0.750"	0.187"	63.5	**91/90013**	1.500"	0.375"	63	**91/90060**
0.875"	0.250"	63.5	**91/90014**	40mm	12mm	63.5	**91/90052**
24mm	8mm	63	**91/90074**	42mm	12mm	63.5	**91/90053**
25mm	8mm	63.5	**91/90026**	1.750"	0.437"	69.5	**91/90061**
1.000"	0.250"	63	**91/90015**	48mm	14mm	76.2	**91/90055**
28mm	8mm	63	**91/90075**	55mm	16mm	80	**91/90057**
1.250"	0.312"	63	**91/90024**	60mm	18mm	90	**91/90058**
32mm	10mm	63.5	**91/90080**	Din 3 taper	4mm	63	**91/90017**



ELEMENT PART NUMBER (Orange)101 Series **91/03/03691**No of teeth - 30

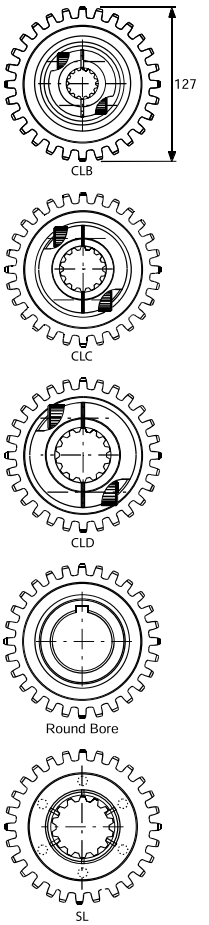
127 SERIES HUBS
LATERAL CLAMPLOCK CLB
CLC
CLD
RND BORE

No of Teeth	Origin Standard	Nom Spline OD	Specifications of Spline	Pt Number	Weight(kg)
13	IMP ANSI	0.875"	16/32 INV CL5	**92/CLB03**	1.1
15	IMP ANSI	1.000"	16/32 INV CL5	**92/CLB04**	1.1
14	IMP ANSI	1.250"	12/24 INV CL5	**92/CLC06**	1.5
6	IMP	1.375"	6B Straight	**92/CLC33**	1.5
21	IMP ANSI	1.375"	16/32 INV CL5	**92/CLC07**	1.5
16	DIN 5480	35mm	2 Module INV	**92/CLC11**	1.5
17	IMP ANSI	1.500"	12/24 INV CL5	**92/CLC32**	1.5
23	IMP ANSI	1.500"	16/32 INV CL5	**92/CLC43**	1.5
14	IMP ANSI	1.500"	10/20 INV CL5	**92/CLDA36**	1.8
18	DIN 5480	40mm	2 Module INV	**92/CLDA41**	1.8
13	IMP ANSI	1.750"	8/16 INV CL5	**92/CLDA08**	1.8
27	IMP ANSI	1.750"	16/32 INV CL5	**92/CLDA09**	1.8
21	DIN 5480	45mm	2 Module INV	**92/CLDA42**	1.8

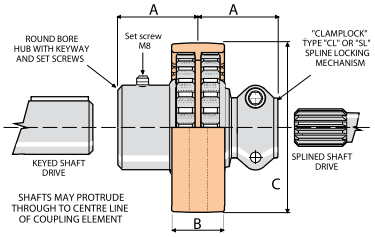
Bore	Keyway	Hub OD	Pt Number	Bore	Keyway	Hub OD	Pt Number
0.500"	None	63	**92/90067**	45mm	14mm	75	**92/90054**
0.875"	0.250"	63.5	**92/90014**	48mm	14mm	75	**92/90055**
1.000"	0.250"	63	**92/90015**	50mm	14mm	75	**92/90056**
1.250"	0.312"	63	**92/90024**	2.000"	0.500"	80	**92/90062**
38mm	10mm	63.5	**92/90051**	55mm	16mm	80	**92/90057**
1.500"	0.375"	63	**92/90060**	60mm	18mm	106	**92/90058**
40mm	12mm	63.5	**92/90052**	65mm	18mm	90	**92/90059**
42mm	12mm	63.5	**92/90053**	Din 3 taper	4mm	63	**92/90017**
1.750"	0.437"	69.5	**92/90061**				

AXIAL CLAMPLOCK SLD, SLE

No of Teeth	Origin Standard	Nom Spline OD	Specifications of Spline	Pt Number	Weight(kg)
18	DIN 5480	40mm	2 Module INV	**92/SLDA41**	2.8
21	DIN 5480	45mm	2 Module INV	**92/SLDA42**	2.8
13	IMP ANSI	1.750"	8/16 INV CL5	**92/SLEA08**	2.8
27	IMP ANSI	1.750"	16/32 INV CL5	**92/SLEA09**	2.8
23	DIN 5482	48mm	2 Module INV	**92/SLEA44**	2.8
24	DIN 5480	50mm	2 Module INV	**92/SLEA45**	2.8
15	IMP ANSI	2.000"	8/16 INV CL5	**92/SLEA37**	2.8



ELEMENT PART NUMBER (White)127 Series **92/03/03244** No of teeth - 28



Series	A	B	C
63	37 (1.457")	53 (2.087")	80 (3.149")
101	68 (2.677")	40 (1.575")	116 (4.567")
127	68 (2.677")	40 (1.575")	146 (5.748")