

Jaw couplings

Jaw couplings provide a cost-effective solution for standard power applications, helping to cushion moderate shock loads and dampen low vibration levels.

Maintenance-free and easy to install, jaw couplings are available with a snap wrap element allowing element replacement in situ.

Urethane and hytrel elements have a greater power rating than nitrile elements and are recommended for applications where a compact, high torque solution is required.

Standard bore and keyway chart

Bore	Keyway	Coupling Size										
		50	70	75	90	95	100	110	150	190	225	
mm												
9	3 x 1,4	X	X	X	X	-	-	-	-	-	-	-
10	3 x 1,4	X	X	X	X	-	-	-	-	-	-	-
11	4 x 1,8	X	X	X	X	-	-	-	-	-	-	-
12	4 x 1,8	X	X	X	X	X	-	-	-	-	-	-
14	5 x 2,3	X	X	X	X	X	X	-	-	-	-	-
15	5 x 2,3	-	X	X	X	X	X	-	-	-	-	-
16	5 x 2,3	-	X	X	X	X	X	X	X	-	-	-
17	5 x 2,3	-	X	X	X	X	X	X	X	-	-	-
18	6 x 2,8	-	X	X	X	X	X	X	X	-	-	-
19	6 x 2,8	-	X	X	X	X	X	X	X	X	-	-
20	6 x 2,8	-	-	X	X	X	X	X	X	X	-	-
22	6 x 2,8	-	-	X	X	X	X	X	X	X	-	-
24	8 x 3,3	-	-	-	X	X	X	X	X	X	X	-
25	8 x 3,3	-	-	-	-	X	X	X	X	X	X	-
28	8 x 3,3	-	-	-	-	X	X	X	X	X	X	-
30	8 x 3,3	-	-	-	-	-	X	X	X	X	X	-
32	10 x 3,3	-	-	-	-	-	X	X	X	X	X	-
35	10 x 3,3	-	-	-	-	-	X	X	X	X	X	-
38	10 x 3,3	-	-	-	-	-	X	X	X	X	X	-
40	12 x 3,3	-	-	-	-	-	-	X	X	X	X	-
42	12 x 3,3	-	-	-	-	-	-	X	X	X	X	-
45	14 x 3,8	-	-	-	-	-	-	-	X	X	X	-
48	14 x 3,8	-	-	-	-	-	-	-	X	X	X	-
50	14 x 3,8	-	-	-	-	-	-	-	-	X	X	-
55	16 x 4,3	-	-	-	-	-	-	-	-	X	X	-
60	18 x 4,4	-	-	-	-	-	-	-	-	-	X	-

Order data

Coupling type	Flanges	Qty	Element	Qty	Spacer shaft	Qty	Nitrile wrap element	Qty	Ring kit	Qty
RSB both sides	PHE L095HUB	2	PHE L095NR or	1	PHE L090X ... SPACER	1	PHE L090NRWRAP	2	PHE L090RINGKIT	2
	-	-	PHE L095UR	-	-	-	-	-	-	-
	-	-	PHE L095HL	-	-	-	-	-	-	-
Bore with keyway/RSB combination	PHE L095HUB	1	PHE L095NR or	1	PHE L090X ... SPACER	1	PHE L090NRWRAP	2	PHE L090RINGKIT	2
	PHE L095 - ... MM	1	PHE L095UR	-	-	-	-	-	-	-
	-	-	PHE L095HL	-	-	-	-	-	-	-
Bore with keyway on both sides	PHE L095 - ... MM	2	PHE L095NR or	1	PHE L090X ... SPACER	1	PHE L090NRWRAP	2	PHE L090RINGKIT	2
	-	-	PHE L095UR	-	-	-	-	-	-	-
	-	-	PHE L095HL	-	-	-	-	-	-	-
Bore only/RSB combination	PHE L095 - ... MMP	1	PHE L095NR or	1	PHE L090X ... SPACER	1	PHE L090NRWRAP	2	PHE L090RINGKIT	2
	PHE L095HUB	1	PHE L095UR	-	-	-	-	-	-	-
	-	-	PHE L095HL	-	-	-	-	-	-	-
Bore only	PHE L095 - ... MMP	2	PHE L095NR or	1	PHE L090X ... SPACER	1	PHE L090NRWRAP	2	PHE L090RINGKIT	2
	-	-	PHE L095UR	-	-	-	-	-	-	-
	-	-	PHE L095HL	-	-	-	-	-	-	-
Bore only/bore with keyway combination	PHE L095 - ... MMP	1	PHE L095NR or	1	PHE L090X ... SPACER	1	PHE L090NRWRAP	2	PHE L090RINGKIT	2
	PHE L095 - ... MM	1	PHE L095UR	-	-	-	-	-	-	-
	-	-	PHE L095HL	-	-	-	-	-	-	-

NR = Nitrile
UR = Urethane
HL = Hytrel

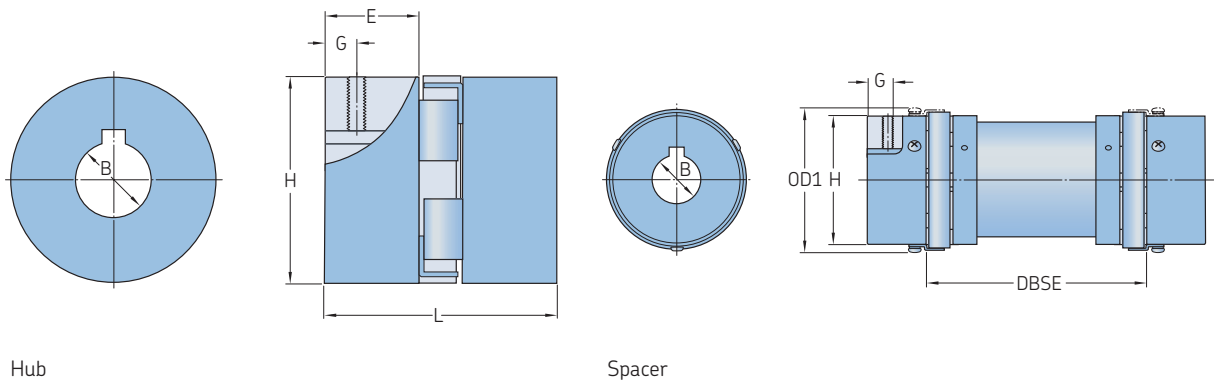
A complete jaw coupling consists of: 2 hubs and 1 element and a complete coupling with spacer consists of 2 hubs, 2 nitrile elements, 2 ring kits and 1 spacer. Available spacer shaft lengths are 100 mm and 140 mm. To complete the designation, add spacer length. For example: PHE L090X100SPACER for spacer of 100 mm, coupling size 090. When ordering bored to size and keyway hubs, it is required that the bore diameter is added to the designation found in the table above.

Where a keyway is NOT required, the designation should be suffixed with a P.

PHE L150-18MM = Hub Size 150 with 18 mm bore and keyway.

PHE L070-16MMP = Hub Size 070 with 16 mm bore (no keyway).

Jaw couplings



Size	Dimensions		OD	OD1 ¹⁾	L	E	H	G	Set screw	Approx mass ²⁾	Speed	Designation
	Bore	Pilot										
	Max.										Max.	
	mm									kg	r/min	
35	3,20	9,5	15,9	–	20,6	6,7	15,9	–	–	0,03	31 000	PHE L035HUB
50	6,35	14,0	27,5	–	44,0	16,0	27,5	6,5	M6	0,05	18 000	PHE L050HUB
70	6,35	19,0	35,0	–	51,0	19,0	35,0	9,5	M6	0,12	14 000	PHE L070HUB
75	6,35	24,0	44,5	–	54,0	21,0	44,5	9,0	M6	0,22	11 000	PHE L075HUB
90	6,35	24,0	54,0	–	54,0	21,0	54,0	8,7	M6	0,28	9 000	PHE L090HUB
95	11,11	28,0	54,0	64	64,0	25,0	54,0	11,0	M8	0,31	9 000	PHE L095HUB
100	12,70	35,0	65,0	77	89,0	35,0	65,0	11,0	M8	0,75	7 000	PHE L100HUB
110	15,87	42,0	84,0	97	108,0	43,0	84,0	19,0	M10	1,50	5 000	PHE L110HUB
150	15,87	48,0	96,0	112	115,0	45,0	96,0	22,0	M10	2,40	4 000	PHE L150HUB
190	19,05	55,0	115,0	130	133,0	54,0	102,0	22,0	M12	3,50	3 600	PHE L190HUB
225	19,05	60,0	127,0	143	153,0	64,0	108,0	29,0	M12	4,50	3 600	PHE L225HUB

¹⁾ Outer diameter of ring kit

²⁾ Mass of hub with pilot bores

DBSE = Distance between shaft ends

Hub material is high grade cast iron. Spacer material is aluminium.