

UNIVERSAL JOINT



High Precision Universal Joint
Pin Type | Needle Bearing Type
Quick Release Type | Telescopic Type



PIN TYPE



NEEDLE BEARING TYPE



QUICK RELEASE TYPE



SLIP / TELESCOPIC
SHAFT TYPE

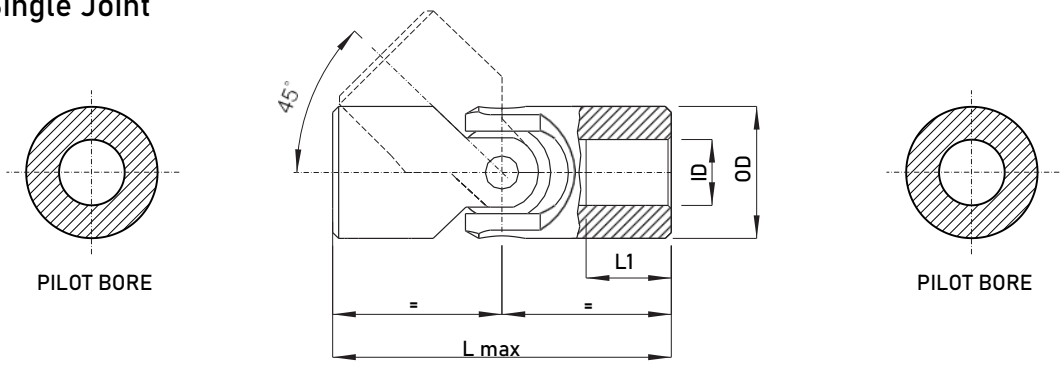
Universal joints and slip shafts facilitate the connection and transmission of off-center mechanisms in the most economical and effective manner. In terms of precision and durability, the joints presented in this catalog are the finest available in this domain.

EMCO joints can accommodate a full range of power and speed applications on modern machinery. This catalog includes the different types we manufacture and guides on selecting the appropriate EMCO joints for specific applications.

All the working components of our joints are crafted from hardened steel.

PIN TYPE UNIVERSAL JOINT

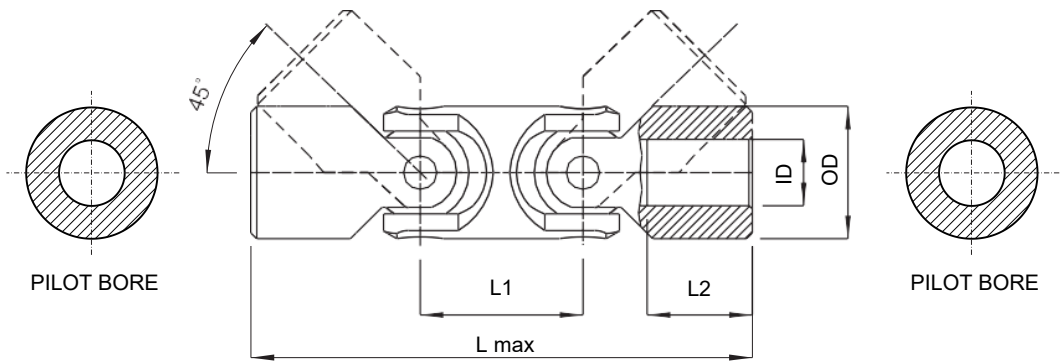
A. Single Joint



SIZE	DIMENSIONS (in mm)			
	BORE DIA (ID)	OD	L max	L1
10J1	5	10	40	13
13J1	6	13	40	13
16J1	8	16	40	10
20J1	10	20	45	10
25J1	12	25	50	11
29J1	14	29	56	13
32J1	16	32	65	15
37J1	18	37	72	17
40J1	20	40	82	19
47J1	22	47	95	22
50J1	25	50	108	27
58J1	30	58	122	30



B. Double Joint



SIZE	DIMENSIONS (in mm)				
	BORE DIA (ID)	OD	L max	L1	L2
13J2	6	13	63	23	13
16J2	8	16	67	27	10
20J2	10	20	74	29	10
25J2	12	22	86	29	11
29J2	14	25	95	33	13
32J2	16	29	104	35	19
37J2	18	32	114	39	20
40J2	20	40	127	46	19
47J2	22	40	145	46	25
50J2	25	50	163	59	24
58J2	30	58	182	66	30

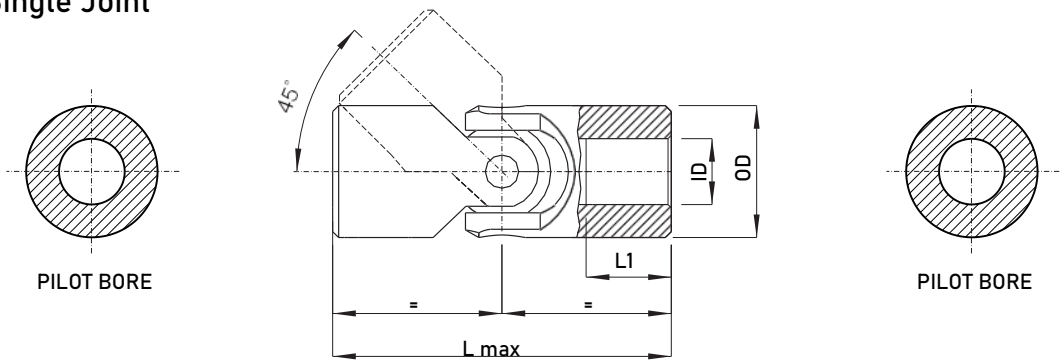


EMCO Engineering offers this joint to balance economic needs with effective torsion transmission. It is best suited for medium to low-speed applications with limited torsion moments.

UNIVERSAL JOINT WITH NEEDLE BEARINGS

Singles max. 45° - Doubles max. 90°

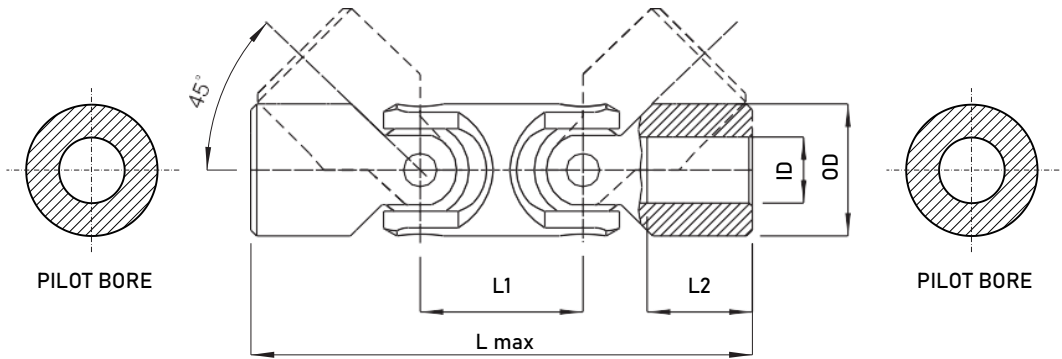
A. Single Joint



SIZE	DIMENSIONS (in mm)			
	BORE DIA (ID)	OD	L max	L1
16B1	8	16	52	15
20B1	10	20	62	18
25B1	14	25	74	20
32B1	16	32	86	24
37B1	18	37	72	17
40B1	20	40	108	30
47B1	22	47	95	22
50B1	25	50	132	38
63B1	30	63	166	45
63B1	32	63	166	45
70B1	35	70	140	35
80B1	40	80	180	50
95B1	50	95	190	54



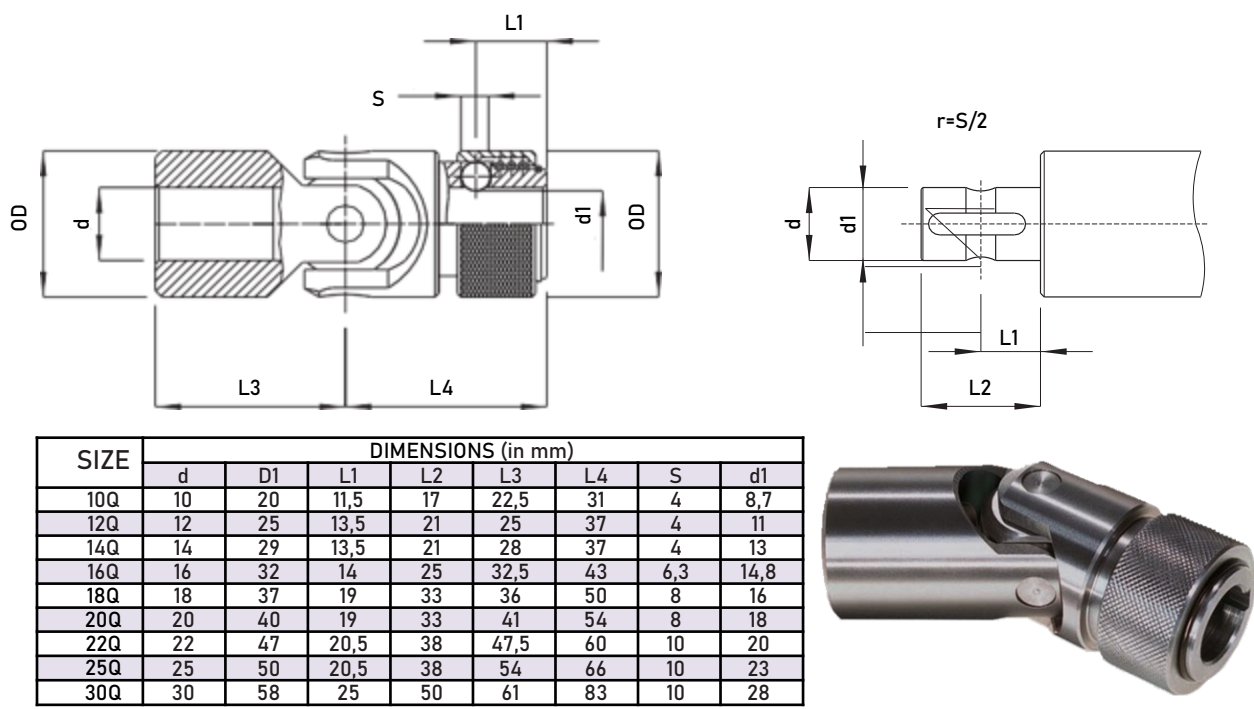
B. Double Joint



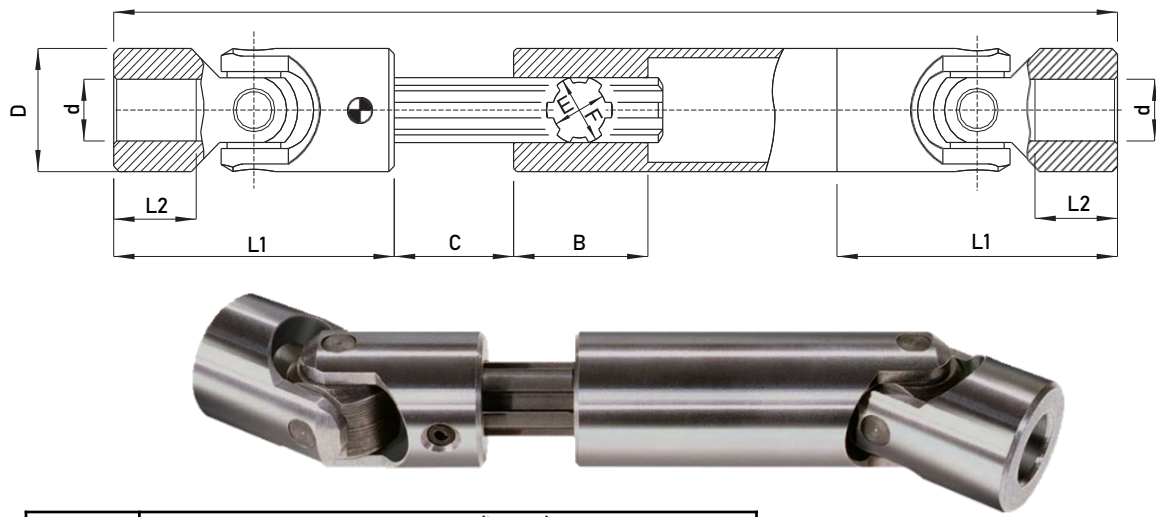
SIZE	DIMENSIONS (in mm)				
	BORE DIA (ID)	OD	L max	L1	L2
20B2	10	20	88	26	18
25B2	14	25	104	33	19
32B2	16	32	125	39	24
40B2	20	40	156	48	30
50B2	25	50	188	59	37
63B2	30	63	238	80	41
63B2	32	63	238	80	41
70B2	35	70	212	78	30
80B2	40	80	290	120	48
95B2	50	95	290	120	50



UNIVERSAL JOINT WITH QUICK RELEASE



UNIVERSAL JOINT WITH TELESCOPIC SHAFT



“L” length on request
min L = (2 x L1) + B + C
max L = (2x L1) + B + (2 x C)
C = max L - min L

Telescopic shaft can be paired with pin type, needle bearing type or with quick release attachment.

Our standard offerings include circular bore keyways, squares, and hexagons, available upon request.

Typically, the splined shaft is supplied as drawn. However, we also offer splined shafts that are milled, hardened, and precision ground to meet your specific requirements.



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