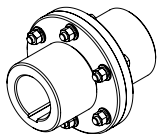
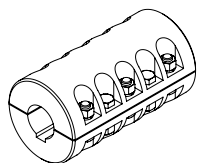


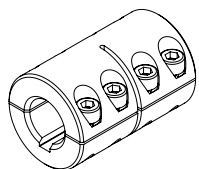
■ **A8-1** GENERAL INFORMATION



■ **A8-2** **ASK** FLANGE COUPLINGS



■ **A8-3** **ASL** CLAMP COUPLINGS



■ **A8-4** **ASL (series 300)** CLAMP COUPLINGS

Rigid couplings are characterized by:

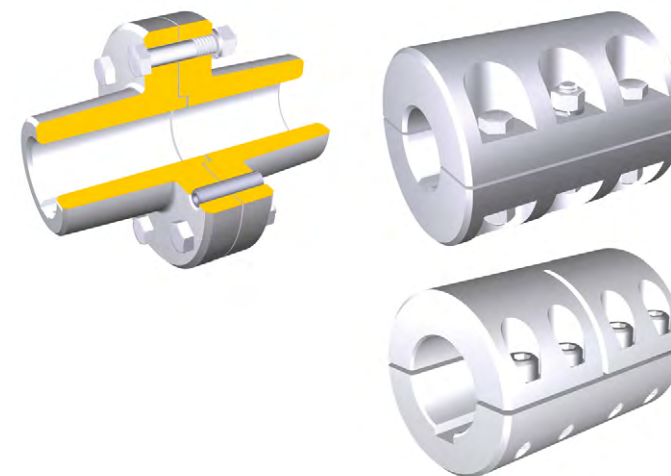
- ability to operate in high temperatures and in harmful environment (totally made of metal),
- transferring high torques with small dimensions and high rotational speed,
- lack of torsional susceptibility torsion (precision of positioning),
- service free,
- possibility of disassembly without drawing the shaft ends aside (ASL),
- **can be used only for joining the coaxial shafts.**

APPLICATIONS: machinery for chemical, paper, steel, food, and other machinery and equipment.

MATERIAL: steel (ASK,ASL series 300), cast iron (ASL).

OPERATION IN THE AREAS WITH THE DANGER OF EXPLOSIONS:

Couplings are intended for operation in the areas with the danger of explosion (groups: I M2, II 2D, II 2G).



METHOD OF MARKING:

[name] - [d] - [size] [type] - [version*]

* only when it concerns a given type, where:

name e.g. clamp coupling
d diameters of the holes [mm], in the case of ordering the coupling without holes for shaft ends "0" should be placed; in the case of lead hole "ow" marking and the diameter of the hole should be added (e.g. "ow25" – only ASK flange couplings)

size e.g. 103
type e.g. ASL
version WS... – special (individual arrangements)

BALANCING: couplings are normally balanced statically (some sizes of the couplings with bigger brake drums or discs are normally balanced dynamically-check remarks in the catalogue). After the arrangement there is a possibility of dynamic balancing of each coupling.

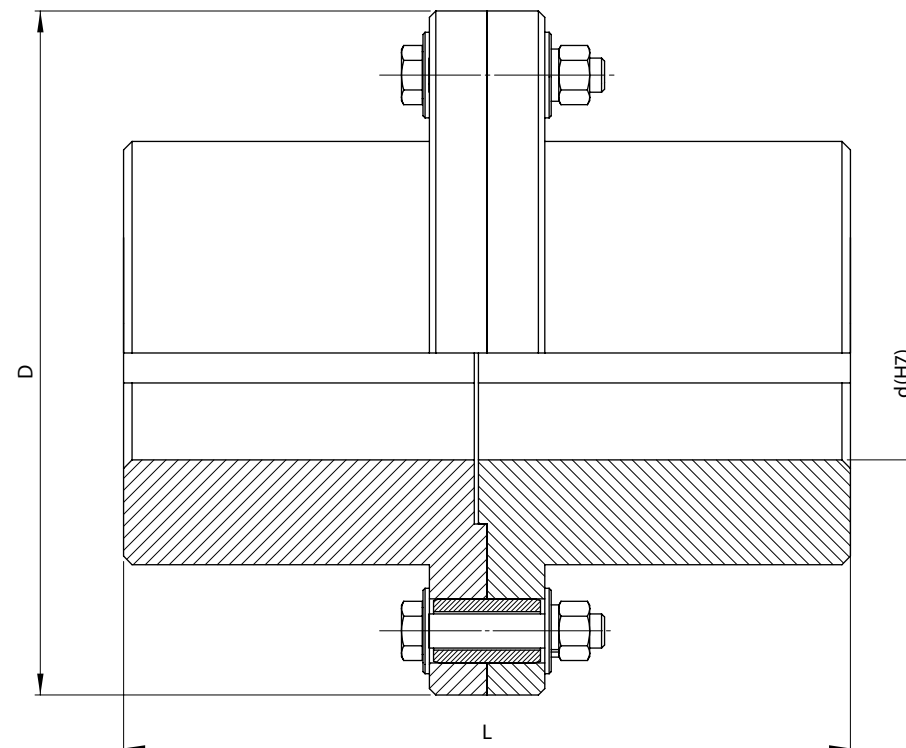
Example of designation of the ASK coupling, hub hole diameters of $d=45$ mm, size of 103 (marking see page A8-1):

45-103 ASK Flange coupling

- with pilot bores $\varnothing 20$ – **ow20**-103 ASK Flange coupling

On request of the customer it is possible to produce a coupling with holes for joining the shafts of two different diameters.

Nominal torque M_n	d	D	L ¹⁾	Max rotational speed n_{max}	Moment of inertia ²⁾ I	Weight ²⁾ m	Coupling size and type
	max						
Nm	mm			1/min	kgm ²	kg	-
95	25	130	116	1900	0,009	5,0	101 ASK
130	30						
190	35	140	164	1800	0,024	9,0	102 ASK
260	40						
380	45	190			0,047	12,5	103 ASK
520	50						
750	55	220	210	1600	0,12	26,6	104 ASK
1050	60						
1500	65						
2100	70						
3000	80	260	260	1400	0,27	43,5	105 ASK
4200	90						
6000	100	320	330	1200	0,80	85,0	106 ASK
8500	110						
11 000	125						
17 000	140	380	400	1120	1,62	117,0	107 ASK
24 000	160	450	480	1000	5,12	262,0	108 ASK
34 000	180						
48 000	200						
			560		5,30	248,0	



We also offer special designs according to the individual wishes of the customer.

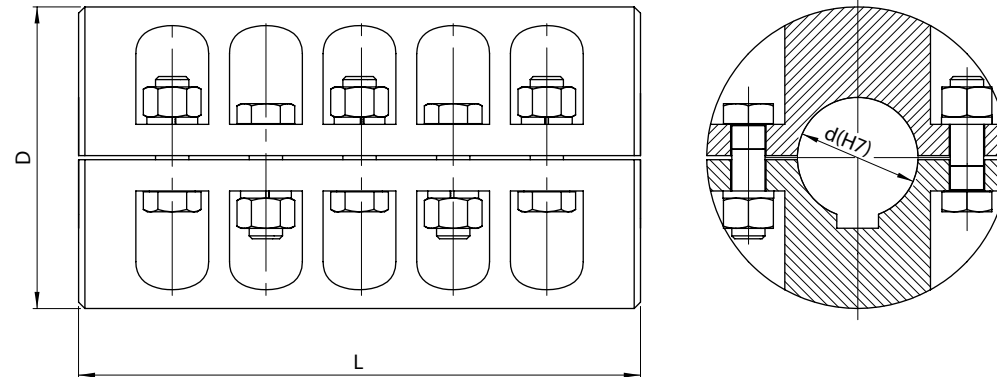
We produce keyways as recommended, normally acc. to PN-70/M-85005, with the Js9 tolerance.

- ¹⁾ On request, we produce couplings with the lengths of hubs different from the nominal lengths given in the table.
- ²⁾ The weight and the moment of inertia have been determined for the coupling with the maximum holes and nominal lengths of the hubs.

Example of designation of the ASL coupling, hub hole diameters of $d=45$ mm, size of 103 (marking see page A8-1):

45-103 ASL Clamp coupling

On request of the customer it is possible to produce a coupling with holes for joining the shafts of two different diameters.



Nominal torque M_n	d	D	L	Max rotational speed n_{max}	Moment of inertia ¹⁾ I	Weight ¹⁾ m	Coupling size and type
	max						
75	25	90	116	400	0,003	3,9	101 ASL
105	30						
150	35	100	164		0,007	6,5	102 ASL
210	40						
300	45	125	164		0,013	8,2	103 ASL
420	55						
600	60	140	210		0,031	13,9	104 ASL
850	65						
1200	70	150	210		0,057	18,4	105 ASL
1600	75						
2400	80	165	260	0,099	26,2	106 ASL	
3400	90						
4800	100	210	330	0,28	49	108 ASL	
6500	110						
9500	125	270	330	0,68	76	110 ASL	
13000	140						
19000	160	340	480	1,33	118	111 ASL	
26000	180						
38000	200	420	560	4,76	245	113 ASL	
				350	9,48	362	114 ASL

We also offer special designs according to the individual wishes of the customer.

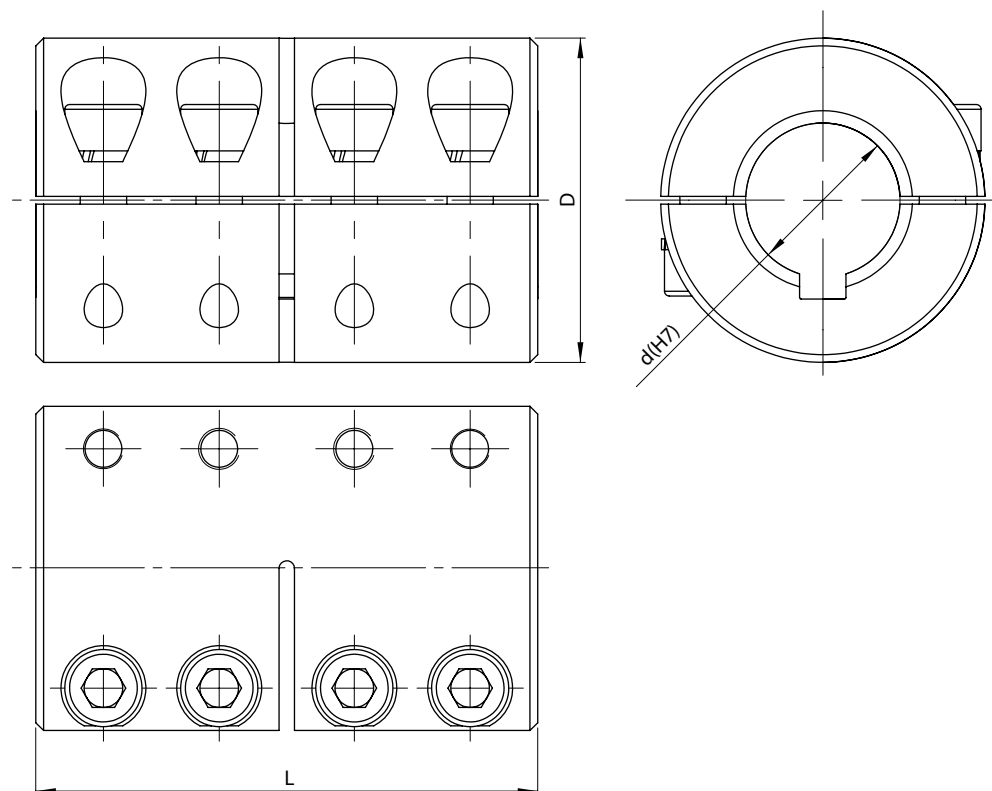
We produce keyways as recommended, normally acc. to PN-70/M-85005, with the Js9 tolerance.

¹⁾ The weight and the moment of inertia have been determined for the coupling with the maximum holes and nominal lengths of the hubs.

Example of designation of the ASL coupling, hub hole diameters of $d=40$ mm, size of 340 (marking see page A8-1):

40-340 ASL Clamp coupling

On request of the customer it is possible to produce a coupling with holes for joining the shafts of two different diameters.



Nominal torque M_n	d	D	L	Max rotational speed	Moment of inertia ¹⁾	Weight ¹⁾	Coupling size and type
				n_{max} 1/min	I kgm ²	m kg	
125	20	42	65	2500	0,00013	0,49	320 ASL
220	25	45	75	2500	0,00019	0,59	325 ASL
280	30	53	83	2000	0,0004	0,88	330 ASL
450	35	67	95	2000	0,0012	1,76	335 ASL
630	40	77	108	2000	0,0025	2,69	340 ASL
1000	50	85	124	1500	0,0041	3,41	350 ASL
1600	60	100	140	1500	0,0097	5,56	360 ASL

We also offer special designs according to the individual wishes of the customer.

We produce keyways as recommended, normally acc. to PN-70/M-85005, with the Js9 tolerance.

¹⁾ The weight and the moment of inertia have been determined for the coupling with the maximum holes and nominal lengths of the hubs.