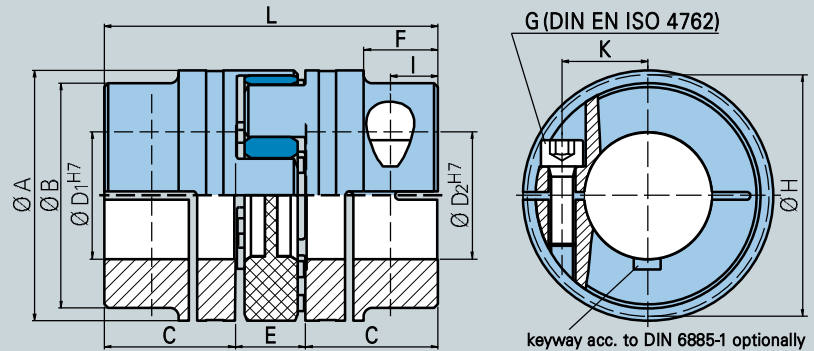


Backlash-free Servo-insert Coupling Type ADS/R



Technical data series ADS/R

Type			14	19	24	28	38	42	48
Nominal torque (Nm)	TKN (98ShA)		12,5	17	60	160	325	450	525
Moment of inertia of coupling (10^{-6} kgm ²)	J ¹⁾		0,0057	0,036	0,15	0,33	0,96	4,92	8,26
Tightening torque of screws (Nm)	MA		1,5	11	11	25	25	69	120
Weight per hub (app. kg)	m		0,018	0,07	0,15	0,22	0,45	1,78	2,4
Max. speed (rpm)	n _{max}		13000	10000	7000	6000	5000	4000	3600
Standard shore hardness			98 SH A (red)						

Dimensions (mm) series ADS/R

Type		14	19	24	28	38	42	48	
L		35	66	78	90	114	126	140	
A		30	40	55	65	80	95	105	
B		only for sizes 42 and 48						85	95
C		11	25	30	35	45	50	56	
Ø D ₁ ^{H7} / Ø D ₂ ^{H7}	min. - max.	5-16	8-20	10-28	14-38	15-45	20-48	25-55	
F		only for sizes 42 and 48						28	32
K		11	14,5	20	24,5	30	32,5	36	
E		13	16	18	20	24	26	28	
I		5	12	10,5	11,5	15,5	18	21	
G (DIN EN ISO 4762)		M3	M6	M6	M8	M8	M10	M12	
H (clearance diameter)		32,2	46	57	71	83	91	104,5	
Hub material		aluminium alloy						steel	

Bore range D1/D2 and corresponding transmissible torque values (Nm) of the coupling

Type	Ø11	Ø14	Ø16	Ø18	Ø19	Ø20	Ø24	Ø25	Ø28	Ø30	Ø32	Ø35	Ø38	Ø40	Ø42	Ø45	Ø48	Ø50	Ø55
14	5,6	6,1	6,5																
19	17	17	17	17	17	17													
24	22	45	47	49	50	51	54	55	57										
28		46	68	97	98	100	105	107	111	114	117	121	126						
38			68	99	114	116	121	123	127	130	133	137	141	144	147	152			
42						134	230	261	301	308	314	324	333	340	346	356	366		
48								261	366	450	494	508	522	525	525	525	525	525	525

¹⁾ Moment of inertia and weight (mass) are calculated with reference to the largest bore size.
Hub design: up to size 19 one slit, from size 24 up two slits.

Ordering data

ADS/R 42 - **20^{H7}** - **25^{H7}** - **xxxxx**

Type

Bore size D₁

Bore size D₂

Additional details, e.g. different shore hardness (p.14), keyway

- Dimensionally equivalent to competitor's type

GERWAH