

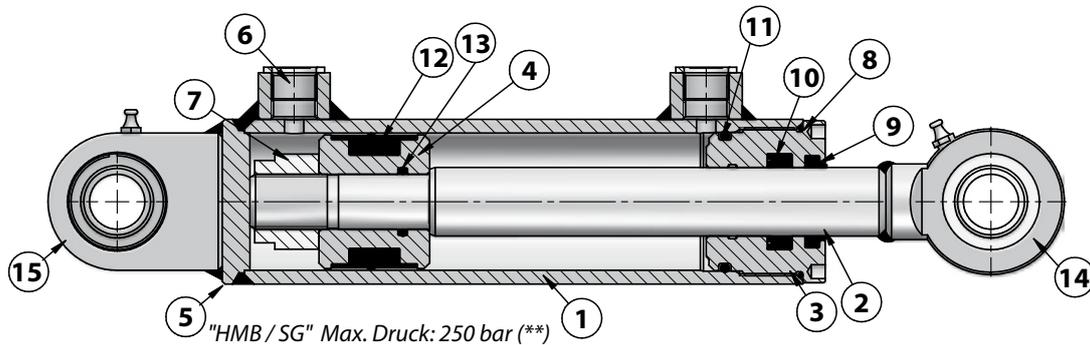


## Die Lösung für alle Anforderungen in speziell benötigten Druckbereichen

Doppeltwirkende Zylinder bis 250 bar



Hydraulikzylinder mit beidseitigem Gelenkauge in Industrieausführung.  
Mit Zugkraft-, Druckkraft- und Zuglast-Diagrammen.



1	Poliertes Zylinderrohr	Stahl: St 52.3 DIN 2393 ISO H9
2	Verchromte Kolbenstange	Stahl: UNI C45 - SAE 1045 Chrom: 25 Micron ±5 Rating 9 / 120 h ISO 10289 - 1999/ISO 9227-NSS
3	Kolbenstangenführung	Hydraulikguss: UNI 5007-G25
4	Kolben	Stahl: 9SMn28
5	Zylinderboden	Stahl: S355J0 (Fe510C) - S355JR (A105)
6	Anschlussgewinde	Stahl: 9SMn28 - C22
7	Selbstsichernde Mutter	Stahl: UNI 7473 - 7474
8	Dichtung - O-RING	NBR 70 SHORE
9	Dichtung - "GHK"	Polyurethan
10	Dichtung - "TSE-TTS-TTI/L"	TSE: NBR+Gewebe / TTS-TTI/L: Polyurethan
11	Dichtung - O-RING	NBR 70 SHORE
12	Dichtung "TPM"	NBR+POM+Polyester
13	Dichtung O-RING	NBR 70 SHORE
14	Gelenkkopf	Stahl: ISO 12240-1 Serie E
15	Gelenkkopf	Stahl: ISO 12240-1 Serie E

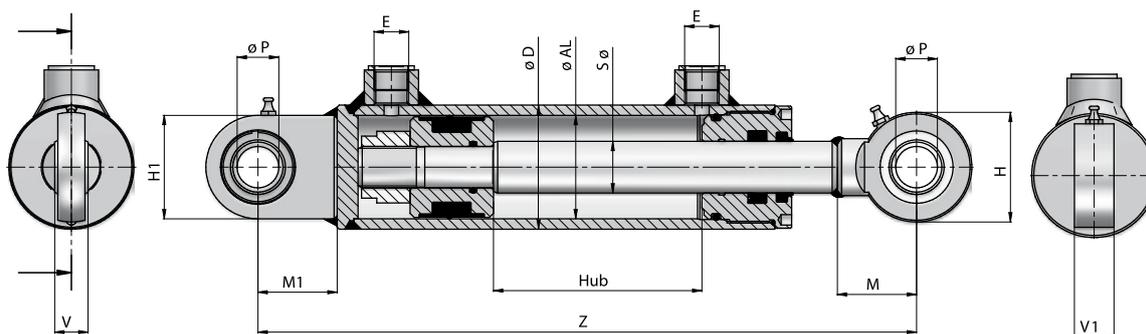
Höchstgeschwindigkeit: max 0,5 m/s - Temperaturbereich C°: -25°C - +80°C

(\*\*) Der maximal Druck ist bei jedem Anwendungsfall zu überprüfen.

# Doppeltwirkende Zylinder HMB / SG

– beidseitig Gelenkauge in Industrierausführung –

# 250 bar



Bestellnummer	Bezeichnung	Hub	Z	Ø D	Ø AL	Ø S	E	H	H1	V	V1	M	M1	Ø P	Kg
<b>DW32/20</b>															
114-070-01000	DW32/20-50 CSTS	50	225	42	32	20	1/4"	46	48	14	17,5	35	35	16	1,80
114-070-01050	DW32/20-100 CSTS	100	275	42	32	20	1/4"	46	48	14	17,5	35	35	16	2,10
114-070-01100	DW32/20-150 CSTS	150	325	42	32	20	1/4"	46	48	14	17,5	35	35	16	2,45
114-070-01150	DW32/20-200 CSTS	200	375	42	32	20	1/4"	46	48	14	17,5	35	35	16	2,80
114-070-01200	DW32/20-250 CSTS	250	425	42	32	20	1/4"	46	48	14	17,5	35	35	16	3,20
114-070-01250	DW32/20-300 CSTS	300	475	42	32	20	1/4"	46	48	14	17,5	35	35	16	3,50
114-070-01300	DW32/20-400 CSTS	400	575	42	32	20	1/4"	46	48	14	17,5	35	35	16	4,20
114-070-01350	DW32/20-500 CSTS	500	675	42	32	20	1/4"	46	48	14	17,5	35	35	16	4,90
<b>DW40/20</b>															
114-070-01400	DW40/20-100 CSTS	100	300	50	40	20	1/4"	46	48	14	17,5	35	35	16	2,72
114-070-01450	DW40/20-150 CSTS	150	350	50	40	20	1/4"	46	48	14	17,5	35	35	16	3,12
114-070-01500	DW40/20-200 CSTS	200	400	50	40	20	1/4"	46	48	14	17,5	35	35	16	3,50
114-070-01550	DW40/20-250 CSTS	250	450	50	40	20	1/4"	46	48	14	17,5	35	35	16	3,90
114-070-01600	DW40/20-300 CSTS	300	500	50	40	20	1/4"	46	48	14	17,5	35	35	16	4,30
114-070-01650	DW40/20-350 CSTS	350	550	50	40	20	1/4"	46	48	14	17,5	35	35	16	4,72
114-070-01700	DW40/20-400 CSTS	400	600	50	40	20	1/4"	46	48	14	17,5	35	35	16	5,10
114-070-01750	DW40/20-450 CSTS	450	650	50	40	20	1/4"	46	48	14	17,5	35	35	16	5,53
114-070-01800	DW40/20-500 CSTS	500	700	50	40	20	1/4"	46	48	14	17,5	35	35	16	5,94
<b>DW40/25</b>															
114-070-01850	DW40/25-100 CSTS	100	300	50	40	25	1/4"	46	48	14	17,5	35	35	16	3,00
114-070-01900	DW40/25-150 CSTS	150	350	50	40	25	1/4"	46	48	14	17,5	35	35	16	3,40
114-070-01950	DW40/25-200 CSTS	200	400	50	40	25	1/4"	46	48	14	17,5	35	35	16	3,84
114-070-02000	DW40/25-250 CSTS	250	450	50	40	25	1/4"	46	48	14	17,5	35	35	16	4,30
114-070-02050	DW40/25-300 CSTS	300	500	50	40	25	1/4"	46	48	14	17,5	35	35	16	4,77
114-070-02100	DW40/25-350 CSTS	350	550	50	40	25	1/4"	46	48	14	17,5	35	35	16	5,24
114-070-02150	DW40/25-400 CSTS	400	600	50	40	25	1/4"	46	48	14	17,5	35	35	16	5,71
114-070-02200	DW40/25-450 CSTS	450	650	50	40	25	1/4"	46	48	14	17,5	35	35	16	6,17
114-070-02250	DW40/25-500 CSTS	500	700	50	40	25	1/4"	46	48	14	17,5	35	35	16	6,65
114-070-02300	DW40/25-550 CSTS	550	750	50	40	25	1/4"	46	48	14	17,5	35	35	16	7,05
114-070-02350	DW40/25-600 CSTS	600	800	50	40	25	1/4"	46	48	14	17,5	35	35	16	7,58

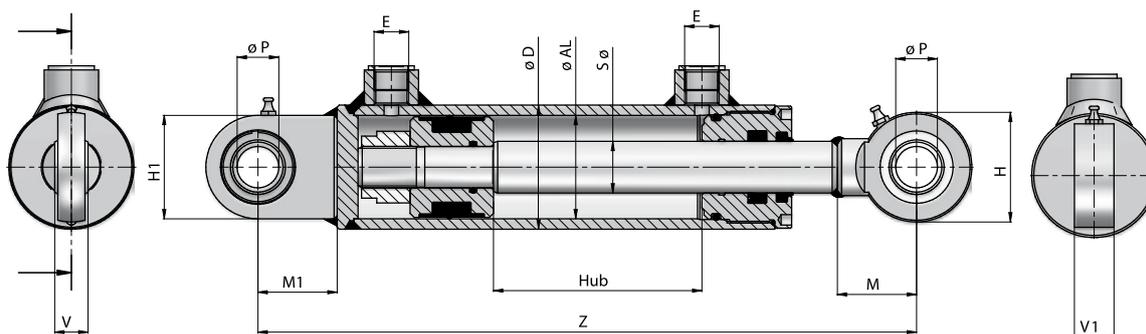
**Material: Rohr**  
Stahl St 52.3 DIN 2393 ISO H9

**Material: Kolbenstange**  
Stahl UNI C45 SAE 1045 CHROM: 25 MICRON ±5 Rating 9/120 h ISO 10289 - 1999/ISO 9227-NSS

# Doppeltwirkende Zylinder HMB / SG

– beidseitig Gelenkauge in Industrierausführung –

# 250 bar



Bestellnummer	Bezeichnung	Hub	Z	Ø D	Ø AL	Ø S	E	H	H1	V	V1	M	M1	Ø P	Kg
<b>DW50/25</b>															
114-070-02400	DW50/25-100 CSTS	100	316	60	50	25	3/8"	53	50	16	19	38	38	20	3,89
114-070-02450	DW50/25-150 CSTS	150	366	60	50	25	3/8"	53	50	16	19	38	38	20	4,43
114-070-02500	DW50/25-200 CSTS	200	416	60	50	25	3/8"	53	50	16	19	38	38	20	4,94
114-070-02550	DW50/25-250 CSTS	250	466	60	50	25	3/8"	53	50	16	19	38	38	20	5,45
114-070-02600	DW50/25-300 CSTS	300	516	60	50	25	3/8"	53	50	16	19	38	38	20	5,95
114-070-02650	DW50/25-350 CSTS	350	566	60	50	25	3/8"	53	50	16	19	38	38	20	6,54
114-070-02700	DW50/25-400 CSTS	400	616	60	50	25	3/8"	53	50	16	19	38	38	20	7,00
114-070-02750	DW50/25-450 CSTS	450	666	60	50	25	3/8"	53	50	16	19	38	38	20	7,90
114-070-02800	DW50/25-500 CSTS	500	716	60	50	25	3/8"	53	50	16	19	38	38	20	8,03
114-070-02850	DW50/25-550 CSTS	550	766	60	50	25	3/8"	53	50	16	19	38	38	20	8,66
114-070-02900	DW50/25-600 CSTS	600	816	60	50	25	3/8"	53	50	16	19	38	38	20	9,06
114-070-02910	DW50/25-700 CSTS	700	916	60	50	25	3/8"	53	50	16	19	38	38	20	10,26
114-070-02950	DW50/25-800 CSTS	800	1016	60	50	25	3/8"	53	50	16	19	38	38	20	11,31
114-070-03000	DW50/25-1000 CSTS	1000	1216	60	50	25	3/8"	53	50	16	19	38	38	20	13,47
<b>DW50/30</b>															
114-070-03010	DW50/30-100 CSTS	100	316	60	50	30	3/8"	53	50	16	19	38	38	20	4,11
114-070-03050	DW50/30-150 CSTS	150	366	60	50	30	3/8"	53	50	16	19	38	38	20	4,71
114-070-03100	DW50/30-200 CSTS	200	416	60	50	30	3/8"	53	50	16	19	38	38	20	5,34
114-070-03150	DW50/30-250 CSTS	250	466	60	50	30	3/8"	53	50	16	19	38	38	20	5,95
114-070-03200	DW50/30-300 CSTS	300	516	60	50	30	3/8"	53	50	16	19	38	38	20	6,57
114-070-03250	DW50/30-350 CSTS	350	566	60	50	30	3/8"	53	50	16	19	38	38	20	7,15
114-070-03300	DW50/30-400 CSTS	400	616	60	50	30	3/8"	53	50	16	19	38	38	20	7,80
114-070-03350	DW50/30-450 CSTS	450	666	60	50	30	3/8"	53	50	16	19	38	38	20	8,40
114-070-03400	DW50/30-500 CSTS	500	716	60	50	30	3/8"	53	50	16	19	38	38	20	9,02
114-070-03450	DW50/30-550 CSTS	550	766	60	50	30	3/8"	53	50	16	19	38	38	20	9,64
114-070-03500	DW50/30-600 CSTS	600	816	60	50	30	3/8"	53	50	16	19	38	38	20	10,24
114-070-03550	DW50/30-700 CSTS	700	916	60	50	30	3/8"	53	50	16	19	38	38	20	11,50
114-070-03600	DW50/30-800 CSTS	800	1016	60	50	30	3/8"	53	50	16	19	38	38	20	12,70
114-070-03650	DW50/30-1000 CSTS	1000	1216	60	50	30	3/8"	53	50	16	19	38	38	20	15,17

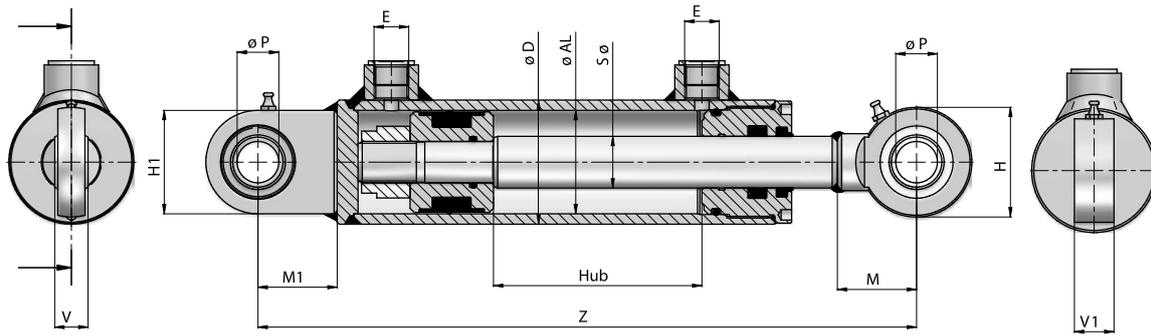
**Material: Rohr**  
Stahl St 52.3 DIN 2393 ISO H9

**Material: Kolbenstange**  
Stahl UNI C45 SAE 1045 CHROM: 25 MICRON ±5 Rating 9/120 h ISO 10289 - 1999/ISO 9227-NSS

# Doppeltwirkende Zylinder HMB / SG

– beidseitig Gelenkauge in Industrierausführung –

# 250 bar



Bestellnummer	Bezeichnung	Hub	Z	Ø D	Ø AL	Ø S	E	H	H1	V	V1	M	M1	Ø P	Kg
<b>DW60/30</b>															
114-070-03700	DW60/30-100 CSTS	100	350	70	60	30	3/8"	64	55	20	23	45	45	25	5,80
114-070-03750	DW60/30-150 CSTS	150	400	70	60	30	3/8"	64	55	20	23	45	45	25	6,53
114-070-03800	DW60/30-200 CSTS	200	450	70	60	30	3/8"	64	55	20	23	45	45	25	7,18
114-070-03850	DW60/30-250 CSTS	250	500	70	60	30	3/8"	64	55	20	23	45	45	25	7,85
114-070-03900	DW60/30-300 CSTS	300	550	70	60	30	3/8"	64	55	20	23	45	45	25	8,53
114-070-03950	DW60/30-350 CSTS	350	600	70	60	30	3/8"	64	55	20	23	45	45	25	9,18
114-070-04000	DW60/30-400 CSTS	400	650	70	60	30	3/8"	64	55	20	23	45	45	25	9,88
114-070-04050	DW60/30-450 CSTS	450	700	70	60	30	3/8"	64	55	20	23	45	45	25	10,51
114-070-04100	DW60/30-500 CSTS	500	750	70	60	30	3/8"	64	55	20	23	45	45	25	11,23
114-070-04150	DW60/30-550 CSTS	550	800	70	60	30	3/8"	64	55	20	23	45	45	25	11,84
114-070-04200	DW60/30-600 CSTS	600	850	70	60	30	3/8"	64	55	20	23	45	45	25	12,58
114-070-04210	DW60/30-700 CSTS	700	950	70	60	30	3/8"	64	55	20	23	45	45	25	14,00
114-070-04250	DW60/30-800 CSTS	800	1050	70	60	30	3/8"	64	55	20	23	45	45	25	15,24
114-070-04300	DW60/30-1000 CSTS	1000	1250	70	60	30	3/8"	64	55	20	23	45	45	25	17,98
<b>DW60/35</b>															
114-070-04350	DW60/35-100 CSTS	100	350	70	60	35	3/8"	64	55	20	23	45	45	25	6,05
114-070-04400	DW60/35-150 CSTS	150	400	70	60	35	3/8"	64	55	20	23	45	45	25	6,83
114-070-04450	DW60/35-200 CSTS	200	450	70	60	35	3/8"	64	55	20	23	45	45	25	7,58
114-070-04500	DW60/35-250 CSTS	250	500	70	60	35	3/8"	64	55	20	23	45	45	25	8,38
114-070-04550	DW60/35-300 CSTS	300	550	70	60	35	3/8"	64	55	20	23	45	45	25	9,13
114-070-04600	DW60/35-350 CSTS	350	600	70	60	35	3/8"	64	55	20	23	45	45	25	9,92
114-070-04650	DW60/35-400 CSTS	400	650	70	60	35	3/8"	64	55	20	23	45	45	25	10,70
114-070-04700	DW60/35-450 CSTS	450	700	70	60	35	3/8"	64	55	20	23	45	45	25	11,45
114-070-04750	DW60/35-500 CSTS	500	750	70	60	35	3/8"	64	55	20	23	45	45	25	12,23
114-070-04800	DW60/35-550 CSTS	550	800	70	60	35	3/8"	64	55	20	23	45	45	25	12,98
114-070-04850	DW60/35-600 CSTS	600	850	70	60	35	3/8"	64	55	20	23	45	45	25	13,79
114-070-04860	DW60/35-700 CSTS	700	950	70	60	35	3/8"	64	55	20	23	45	45	25	15,44
114-070-04900	DW60/35-800 CSTS	800	1050	70	60	35	3/8"	64	55	20	23	45	45	25	16,85
114-070-04950	DW60/35-1000 CSTS	1000	1250	70	60	35	3/8"	64	55	20	23	45	45	25	19,91

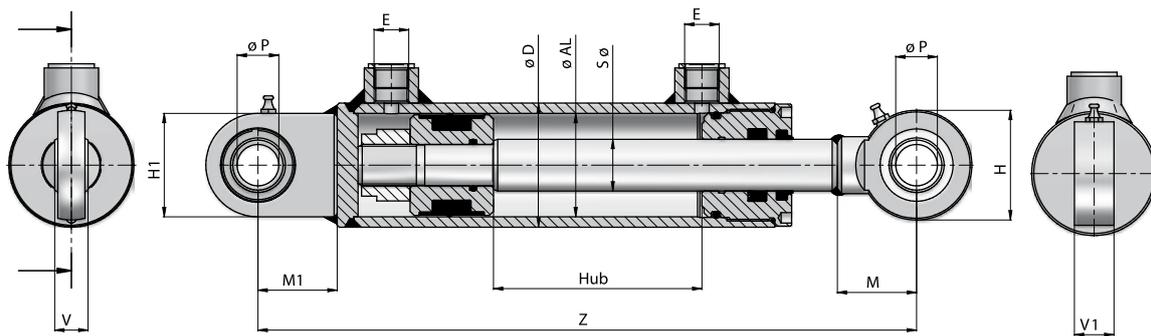
**Material: Rohr**  
Stahl St 52.3 DIN 2393 ISO H9

**Material: Kolbenstange**  
Stahl UNI C45 SAE 1045 CHROM: 25 MICRON ±5 Rating 9/120 h ISO 10289 - 1999/ISO 9227-NSS

# Doppeltwirkende Zylinder HMB / SG

– beidseitig Gelenkauge in Industrierausführung –

# 250 bar



Bestellnummer	Bezeichnung	Hub	Z	Ø D	Ø AL	Ø S	E	H	H1	V	V1	M	M1	Ø P	Kg
<b>DW60/40</b>															
114-070-05000	DW60/40-200 CSTS	200	450	70	60	40	3/8"	64	55	20	23	45	45	25	8,23
114-070-05050	DW60/40-250 CSTS	250	500	70	60	40	3/8"	64	55	20	23	45	45	25	9,12
114-070-05100	DW60/40-300 CSTS	300	550	70	60	40	3/8"	64	55	20	23	45	45	25	10,01
114-070-05150	DW60/40-350 CSTS	350	600	70	60	40	3/8"	64	55	20	23	45	45	25	10,88
114-070-05200	DW60/40-400 CSTS	400	650	70	60	40	3/8"	64	55	20	23	45	45	25	11,77
114-070-05250	DW60/40-450 CSTS	450	700	70	60	40	3/8"	64	55	20	23	45	45	25	12,62
114-070-05300	DW60/40-500 CSTS	500	750	70	60	40	3/8"	64	55	20	23	45	45	25	13,50
114-070-05350	DW60/40-550 CSTS	550	800	70	60	40	3/8"	64	55	20	23	45	45	25	14,43
114-070-05400	DW60/40-600 CSTS	600	850	70	60	40	3/8"	64	55	20	23	45	45	25	15,28
114-070-05410	DW60/40-700 CSTS	700	950	70	60	40	3/8"	64	55	20	23	45	45	25	17,24
114-070-05450	DW60/40-800 CSTS	800	1050	70	60	40	3/8"	64	55	20	23	45	45	25	18,80
114-070-05500	DW60/40-1000 CSTS	1000	1250	70	60	40	3/8"	64	55	20	23	45	45	25	22,38
<b>DW63/40</b>															
114-070-05550	DW63/40-200 CSTS	200	450	73	63	40	3/8"	64	55	20	23	45	45	25	8,64
114-070-05600	DW63/40-250 CSTS	250	500	73	63	40	3/8"	64	55	20	23	45	45	25	9,54
114-070-05650	DW63/40-300 CSTS	300	550	73	63	40	3/8"	64	55	20	23	45	45	25	10,44
114-070-05700	DW63/40-350 CSTS	350	600	73	63	40	3/8"	64	55	20	23	45	45	25	11,34
114-070-05750	DW63/40-400 CSTS	400	650	73	63	40	3/8"	64	55	20	23	45	45	25	12,24
114-070-05800	DW63/40-450 CSTS	450	700	73	63	40	3/8"	64	55	20	23	45	45	25	13,14
114-070-05850	DW63/40-500 CSTS	500	750	73	63	40	3/8"	64	55	20	23	45	45	25	14,04
114-070-05900	DW63/40-550 CSTS	550	800	73	63	40	3/8"	64	55	20	23	45	45	25	14,94
114-070-05950	DW63/40-600 CSTS	600	850	73	63	40	3/8"	64	55	20	23	45	45	25	15,84
114-070-05960	DW63/40-700 CSTS	700	950	73	63	40	3/8"	64	55	20	23	45	45	25	17,64
114-070-06000	DW63/40-800 CSTS	800	1050	73	63	40	3/8"	64	55	20	23	45	45	25	19,54
114-070-06050	DW63/40-1000 CSTS	1000	1250	73	63	40	3/8"	64	55	20	23	45	45	25	23,14

**Material: Rohr**

Stahl St 52.3 DIN 2393 ISO H9

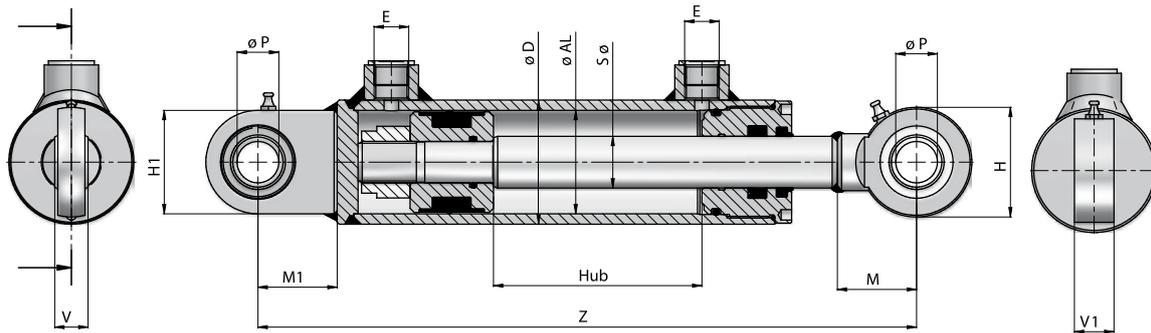
**Material: Kolbenstange**

Stahl UNI C45 SAE 045 CHROM: 25 MICRON ±5 Rating 9/120 h ISO 10289 - 1999/ISO 9227-NSS

# Doppeltwirkende Zylinder HMB / SG

– beidseitig Gelenkauge in Industrierausführung –

# 250 bar



Bestellnummer	Bezeichnung	Hub	Z	Ø D	Ø AL	Ø S	E	H	H1	V	V1	M	M1	Ø P	Kg
<b>DW70/35</b>															
114-070-06100	DW70/35-100 CSTS	100	350	80	70	35	3/8"	64	55	20	23	45	45	25	7,07
114-070-06150	DW70/35-150 CSTS	150	400	80	70	35	3/8"	64	55	20	23	45	45	25	7,93
114-070-06200	DW70/35-200 CSTS	200	450	80	70	35	3/8"	64	55	20	23	45	45	25	8,72
114-070-06250	DW70/35-250 CSTS	250	500	80	70	35	3/8"	64	55	20	23	45	45	25	9,58
114-070-06300	DW70/35-300 CSTS	300	550	80	70	35	3/8"	64	55	20	23	45	45	25	10,38
114-070-06350	DW70/35-350 CSTS	350	600	80	70	35	3/8"	64	55	20	23	45	45	25	11,24
114-070-06400	DW70/35-400 CSTS	400	650	80	70	35	3/8"	64	55	20	23	45	45	25	11,98
114-070-06450	DW70/35-450 CSTS	450	700	80	70	35	3/8"	64	55	20	23	45	45	25	12,86
114-070-06500	DW70/35-500 CSTS	500	750	80	70	35	3/8"	64	55	20	23	45	45	25	13,58
114-070-06550	DW70/35-550 CSTS	550	800	80	70	35	3/8"	64	55	20	23	45	45	25	14,64
114-070-06600	DW70/35-600 CSTS	600	850	80	70	35	3/8"	64	55	20	23	45	45	25	15,18
114-070-06610	DW70/35-700 CSTS	700	950	80	70	35	3/8"	64	55	20	23	45	45	25	17,15
114-070-06650	DW70/35-800 CSTS	800	1050	80	70	35	3/8"	64	55	20	23	45	45	25	18,54
114-070-06700	DW70/35-1000 CSTS	1000	1250	80	70	35	3/8"	64	55	20	23	45	45	25	22,24
<b>DW70/40</b>															
114-070-06710	DW70/40-100 CSTS	100	350	80	70	40	3/8"	64	55	20	23	45	45	25	7,48
114-070-06720	DW70/40-150 CSTS	150	400	80	70	40	3/8"	64	55	20	23	45	45	25	8,44
114-070-06750	DW70/40-200 CSTS	200	450	80	70	40	3/8"	64	55	20	23	45	45	25	9,26
114-070-06800	DW70/40-250 CSTS	250	500	80	70	40	3/8"	64	55	20	23	45	45	25	10,24
114-070-06850	DW70/40-300 CSTS	300	550	80	70	40	3/8"	64	55	20	23	45	45	25	11,22
114-070-06900	DW70/40-350 CSTS	350	600	80	70	40	3/8"	64	55	20	23	45	45	25	12,18
114-070-06950	DW70/40-400 CSTS	400	650	80	70	40	3/8"	64	55	20	23	45	45	25	13,78
114-070-07000	DW70/40-450 CSTS	450	700	80	70	40	3/8"	64	55	20	23	45	45	25	14,09
114-070-07050	DW70/40-500 CSTS	500	750	80	70	40	3/8"	64	55	20	23	45	45	25	14,99
114-070-07100	DW70/40-550 CSTS	550	800	80	70	40	3/8"	64	55	20	23	45	45	25	16,08
114-070-07150	DW70/40-600 CSTS	600	850	80	70	40	3/8"	64	55	20	23	45	45	25	16,97
114-070-07160	DW70/40-700 CSTS	700	950	80	70	40	3/8"	64	55	20	23	45	45	25	18,92
114-070-07200	DW70/40-800 CSTS	800	1050	80	70	40	3/8"	64	55	20	23	45	45	25	20,71
114-070-07250	DW70/40-1000 CSTS	1000	1250	80	70	40	3/8"	64	55	20	23	45	45	25	24,49

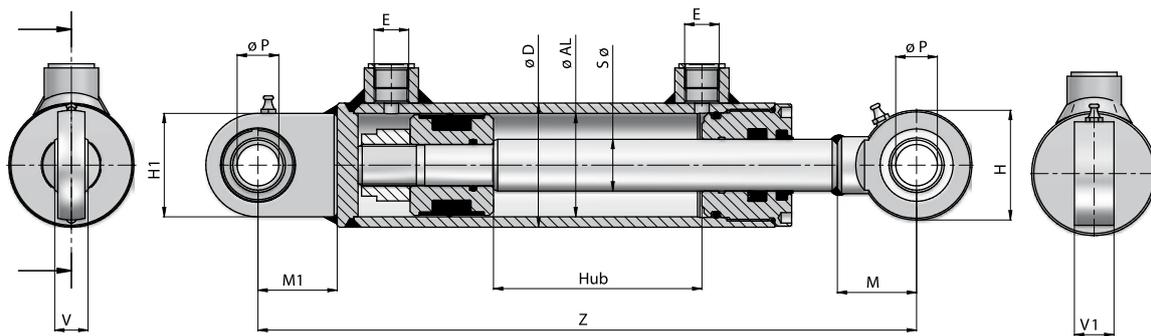
**Material: Rohr**  
Stahl St 52.3 DIN 2393 ISO H9

**Material: Kolbenstange**  
Stahl UNI C45 SAE 1045 CHROM: 25 MICRON ±5 Rating 9/120 h ISO 10289 - 1999/ISO 9227-NSS

# Doppeltwirkende Zylinder HMB / SG

– beidseitig Gelenkauge in Industrierausführung –

# 250 bar



Bestellnummer	Bezeichnung	Hub	Z	Ø D	Ø AL	Ø S	E	H	H1	V	V1	M	M1	Ø P	Kg
<b>DW80/40</b>															
114-070-07300	DW80/40-200 CSTS	200	482	92	80	40	1/2"	73	65	22	28	51	51	30	12,28
114-070-07350	DW80/40-250 CSTS	250	532	92	80	40	1/2"	73	65	22	28	51	51	30	13,42
114-070-07400	DW80/40-300 CSTS	300	582	92	80	40	1/2"	73	65	22	28	51	51	30	14,55
114-070-07450	DW80/40-400 CSTS	400	682	92	80	40	1/2"	73	65	22	28	51	51	30	16,76
114-070-07500	DW80/40-500 CSTS	500	782	92	80	40	1/2"	73	65	22	28	51	51	30	18,97
114-070-07550	DW80/40-600 CSTS	600	882	92	80	40	1/2"	73	65	22	28	51	51	30	21,18
114-070-07560	DW80/40-700 CSTS	700	982	92	80	40	1/2"	73	65	22	28	51	51	30	24,05
114-070-07600	DW80/40-800 CSTS	800	1082	92	80	40	1/2"	73	65	22	28	51	51	30	25,70
114-070-07650	DW80/40-1000 CSTS	1000	1282	92	80	40	1/2"	73	65	22	28	51	51	30	30,12
<b>DW80/50</b>															
114-070-07700	DW80/50-200 CSTS	200	482	92	80	50	1/2"	73	65	22	28	51	51	30	13,87
114-070-07750	DW80/50-250 CSTS	250	532	92	80	50	1/2"	73	65	22	28	51	51	30	15,25
114-070-07800	DW80/50-300 CSTS	300	582	92	80	50	1/2"	73	65	22	28	51	51	30	16,67
114-070-07850	DW80/50-400 CSTS	400	682	92	80	50	1/2"	73	65	22	28	51	51	30	19,47
114-070-07900	DW80/50-500 CSTS	500	782	92	80	50	1/2"	73	65	22	28	51	51	30	22,23
114-070-07950	DW80/50-600 CSTS	600	882	92	80	50	1/2"	73	65	22	28	51	51	30	25,52
114-070-07960	DW80/50-700 CSTS	700	982	92	80	50	1/2"	73	65	22	28	51	51	30	28,1
114-070-08000	DW80/50-800 CSTS	800	1082	92	80	50	1/2"	73	65	22	28	51	51	30	31,02
114-070-08050	DW80/50-1000 CSTS	1000	1282	92	80	50	1/2"	73	65	22	28	51	51	30	36,52
<b>DW90/50</b>															
114-070-08100	DW90/50-300 CSTS	300	624	105	90	50	1/2"	92	100	28	35	69	69	40	23,26
114-070-08150	DW90/50-400 CSTS	400	724	105	90	50	1/2"	92	100	28	35	69	69	40	26,60
114-070-08200	DW90/50-500 CSTS	500	824	105	90	50	1/2"	92	100	28	35	69	69	40	29,93
114-070-08250	DW90/50-600 CSTS	600	924	105	90	50	1/2"	92	100	28	35	69	69	40	33,26
114-070-08260	DW90/50-700 CSTS	700	1024	105	90	50	1/2"	92	100	28	35	69	69	40	36,47
114-070-08300	DW90/50-800 CSTS	800	1124	105	90	50	1/2"	92	100	28	35	69	69	40	39,93
114-070-08350	DW90/50-1000 CSTS	1000	1324	105	90	50	1/2"	92	100	28	35	69	69	40	46,60

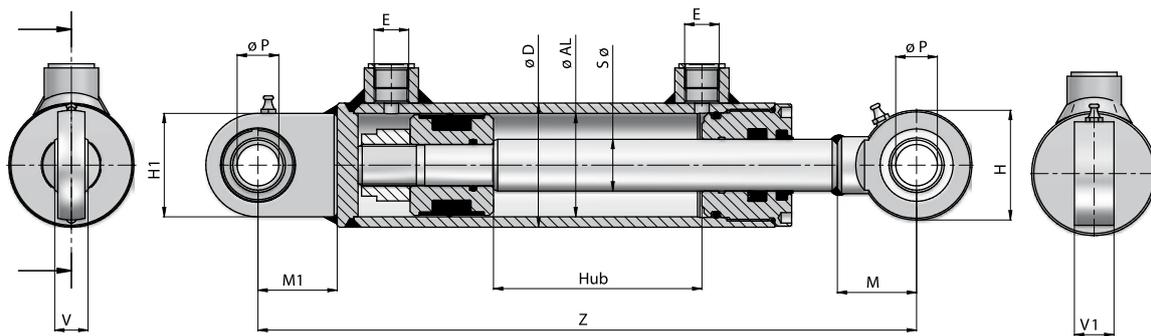
**Material: Rohr**  
Stahl St 52.3 DIN 2393 ISO H9

**Material: Kolbenstange**  
Stahl UNI C45 SAE 1045 CHROM: 25 MICRON ±5 Rating 9/120 h ISO 10289 - 1999/ISO 9227-NSS

# Doppeltwirkende Zylinder HMB / SG

– beidseitig Gelenkauge in Industrierausführung –

# 250 bar



Bestellnummer	Bezeichnung	Hub	Z	Ø D	Ø AL	Ø S	E	H	H1	V	V1	M	M1	Ø P	Kg
<b>DW100/50</b>															
114-070-08400	DW100/50-200 CSTS	200	548	115	100	50	1/2"	92	100	28	35	69	69	40	23,33
114-070-08450	DW100/50-250 CSTS	250	598	115	100	50	1/2"	92	100	28	35	69	69	40	25,33
114-070-08500	DW100/50-300 CSTS	300	648	115	100	50	1/2"	92	100	28	35	69	69	40	26,83
114-070-08550	DW100/50-400 CSTS	400	748	115	100	50	1/2"	92	100	28	35	69	69	40	30,33
114-070-08600	DW100/50-500 CSTS	500	848	115	100	50	1/2"	92	100	28	35	69	69	40	33,83
114-070-08650	DW100/50-600 CSTS	600	948	115	100	50	1/2"	92	100	28	35	69	69	40	37,33
114-070-08660	DW100/50-700 CSTS	700	1048	115	100	50	1/2"	92	100	28	35	69	69	40	41,05
114-070-08700	DW100/50-800 CSTS	800	1148	115	100	50	1/2"	92	100	28	35	69	69	40	44,33
114-070-08750	DW100/50-1000 CSTS	1000	1348	115	100	50	1/2"	92	100	28	35	69	69	40	51,33
<b>DW100/60</b>															
114-070-08800	DW100/60-300 CSTS	300	648	115	100	60	1/2"	92	100	28	35	69	69	40	29,33
114-070-08850	DW100/60-400 CSTS	400	748	115	100	60	1/2"	92	100	28	35	69	69	40	33,33
114-070-08900	DW100/60-500 CSTS	500	848	115	100	60	1/2"	92	100	28	35	69	69	40	37,33
114-070-08950	DW100/60-600 CSTS	600	948	115	100	60	1/2"	92	100	28	35	69	69	40	41,33
114-070-08960	DW100/60-700 CSTS	700	1048	115	100	60	1/2"	92	100	28	35	69	69	40	45,95
114-070-09000	DW100/60-800 CSTS	800	1148	115	100	60	1/2"	92	100	28	35	69	69	40	49,83
114-070-09050	DW100/60-1000 CSTS	1000	1348	115	100	60	1/2"	92	100	28	35	69	69	40	58,33

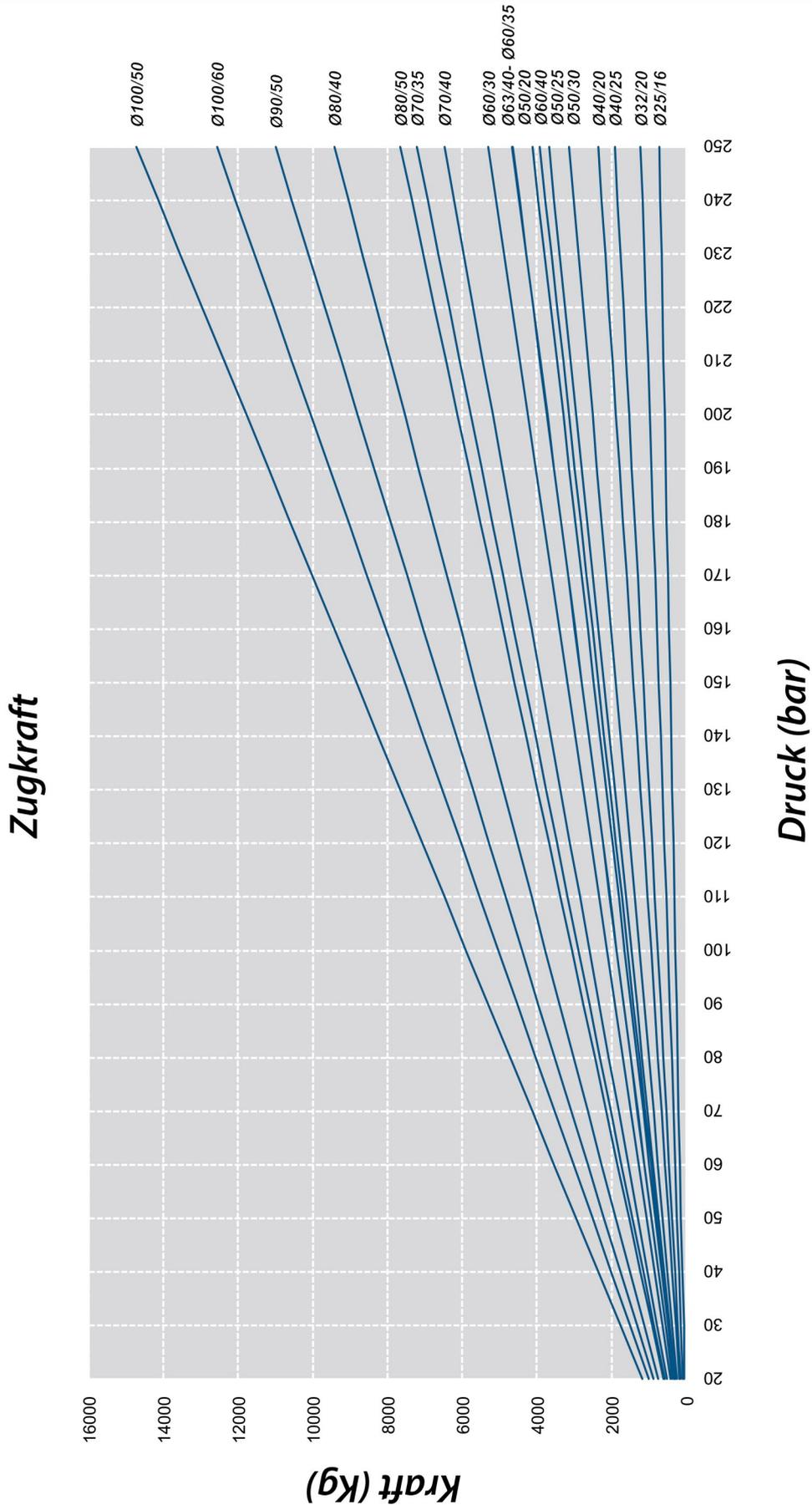
**Material: Rohr**

Stahl St 52.3 DIN 2393 ISO H9

**Material: Kolbenstange**

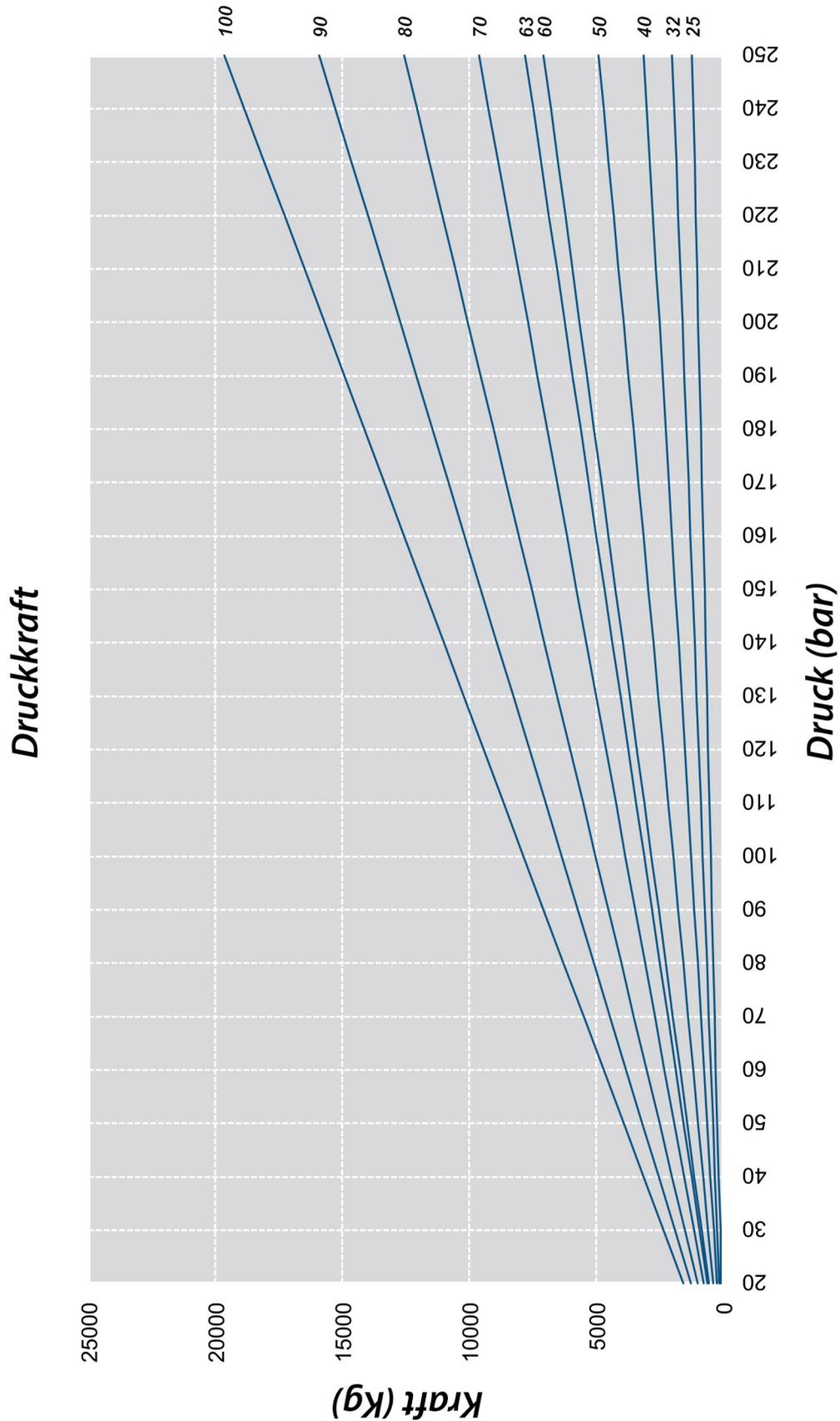
Stahl UNI C45 SAE 1045 CHROM: 25 MICRON ±5 Rating 9/120 h ISO 10289 - 1999/ISO 9227-NSS

# Diagramm – Zugkraft –



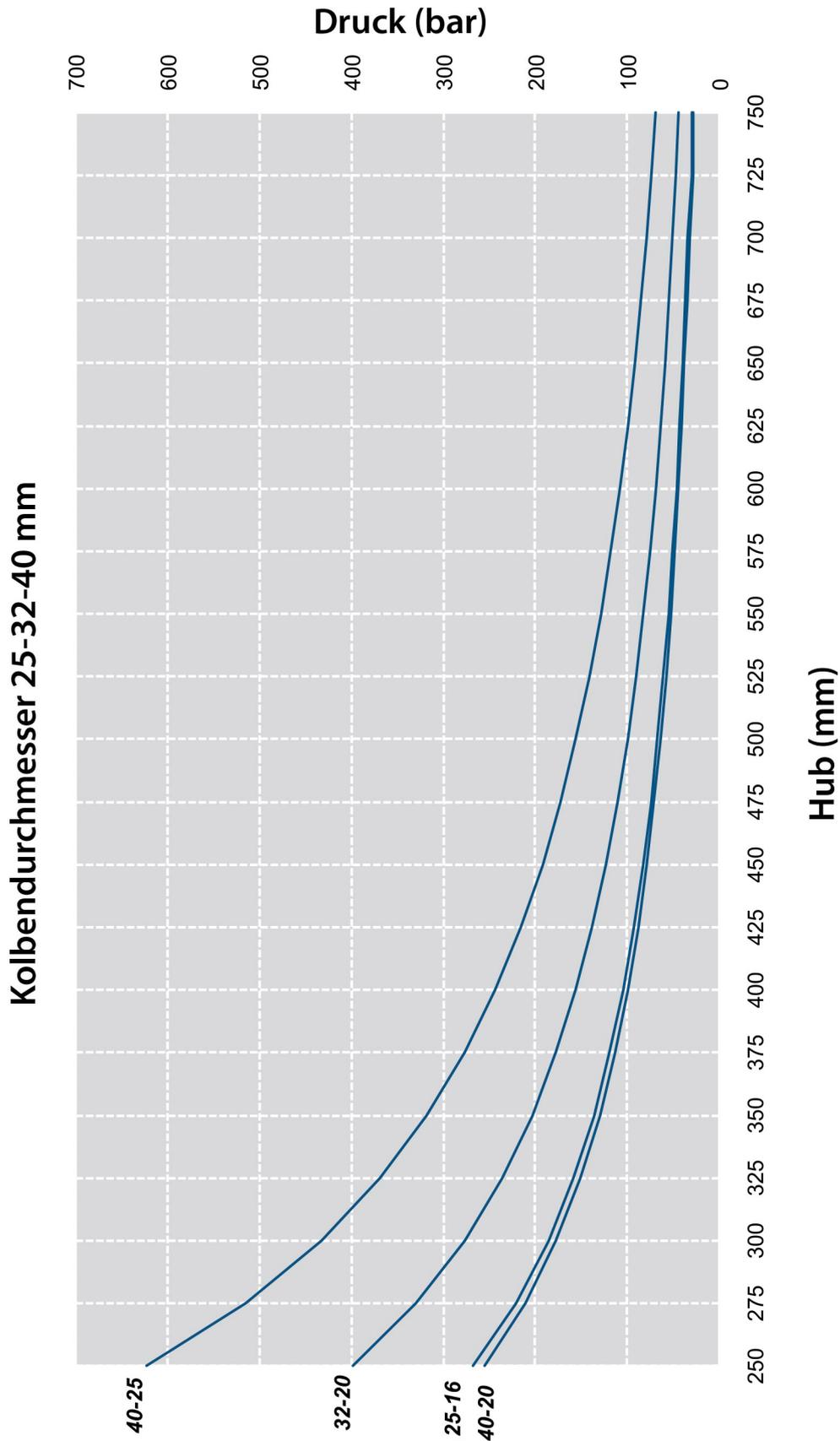
# Diagramm

## - Druckkraft -



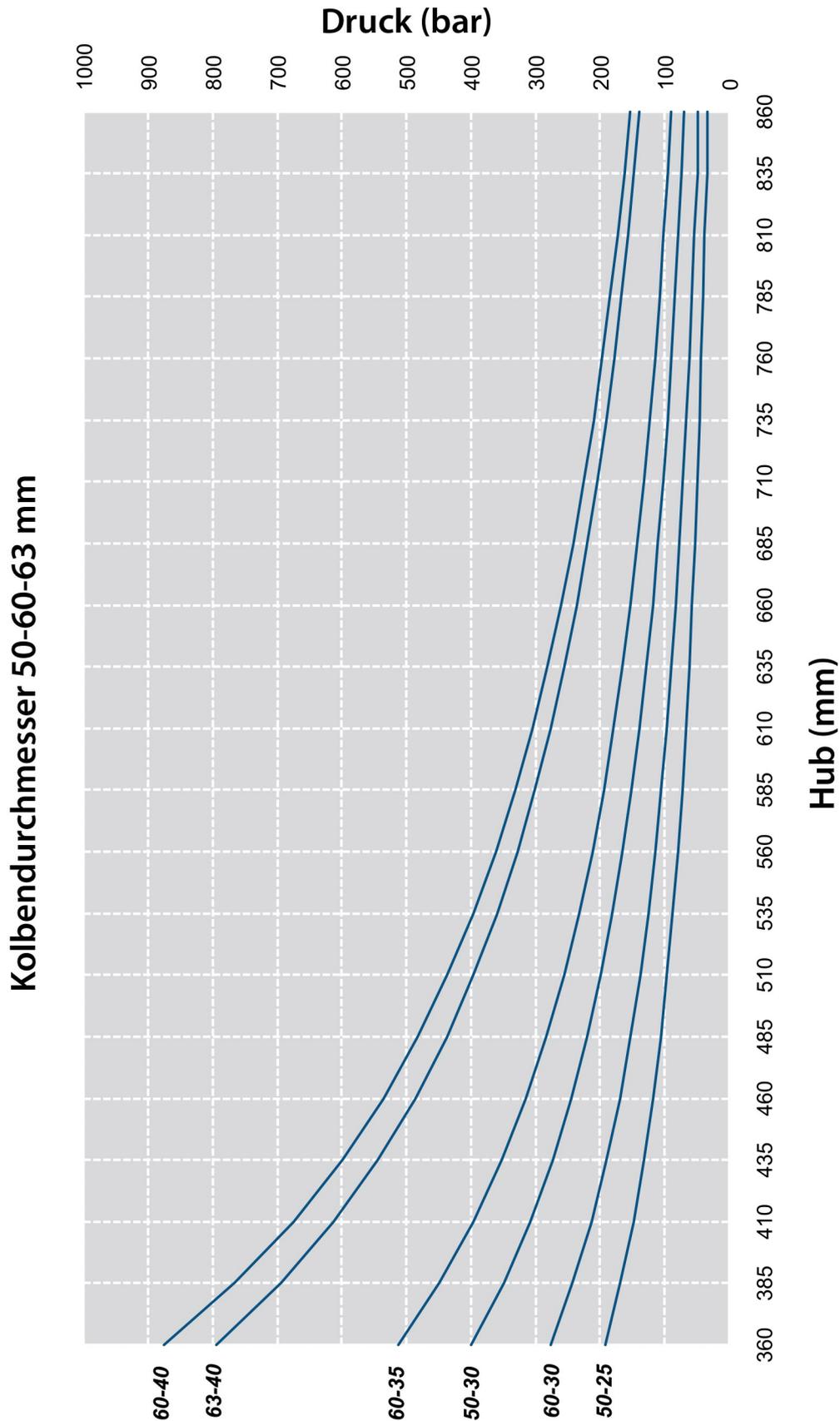
# Diagramm

Knicklast in Abhängigkeit von Kolben- / Kolbenstangendurchmesser und Hub



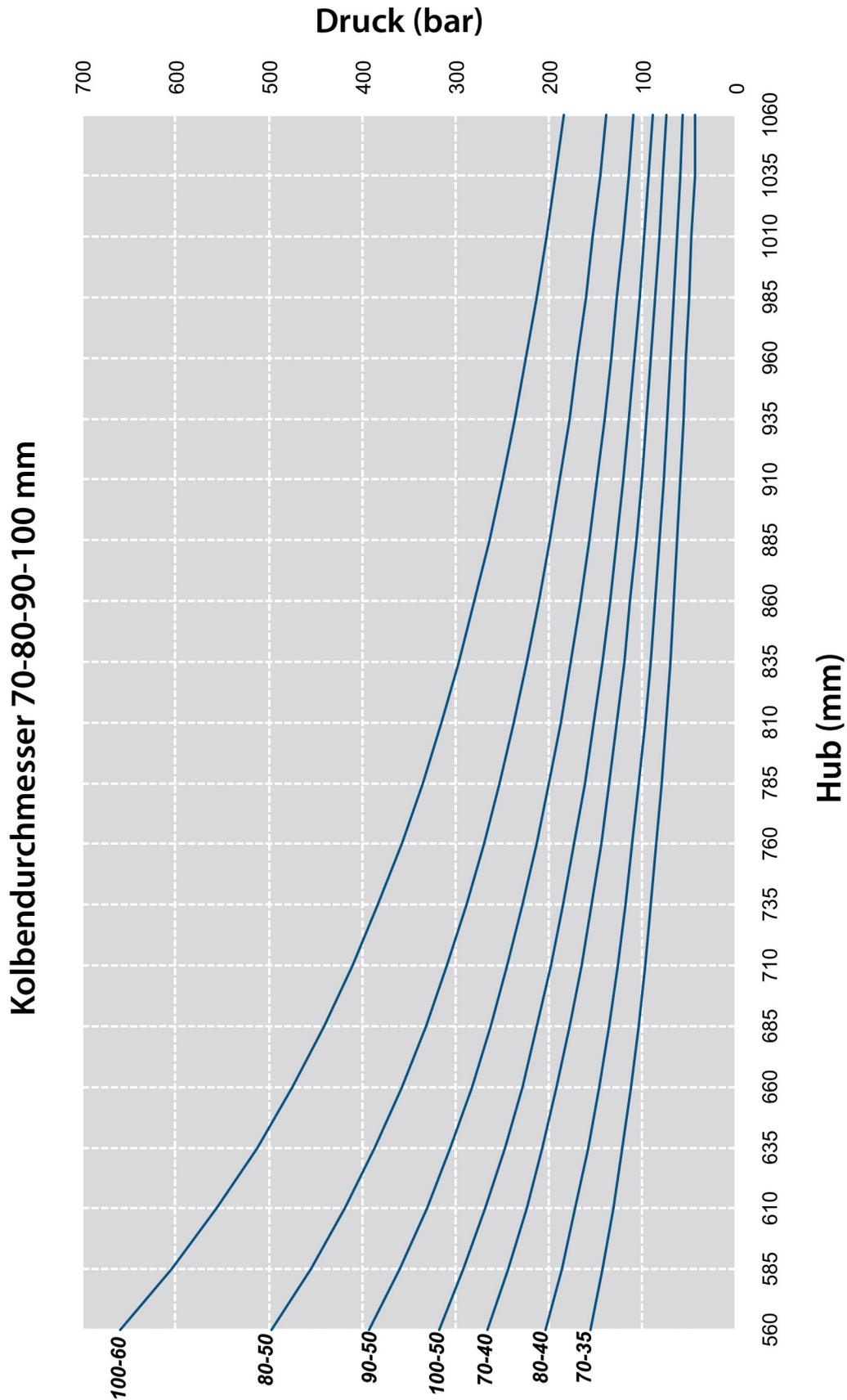
# Diagramm

Knicklast in Abhängigkeit von Kolben- / Kolbenstangendurchmesser und Hub



# Diagramm

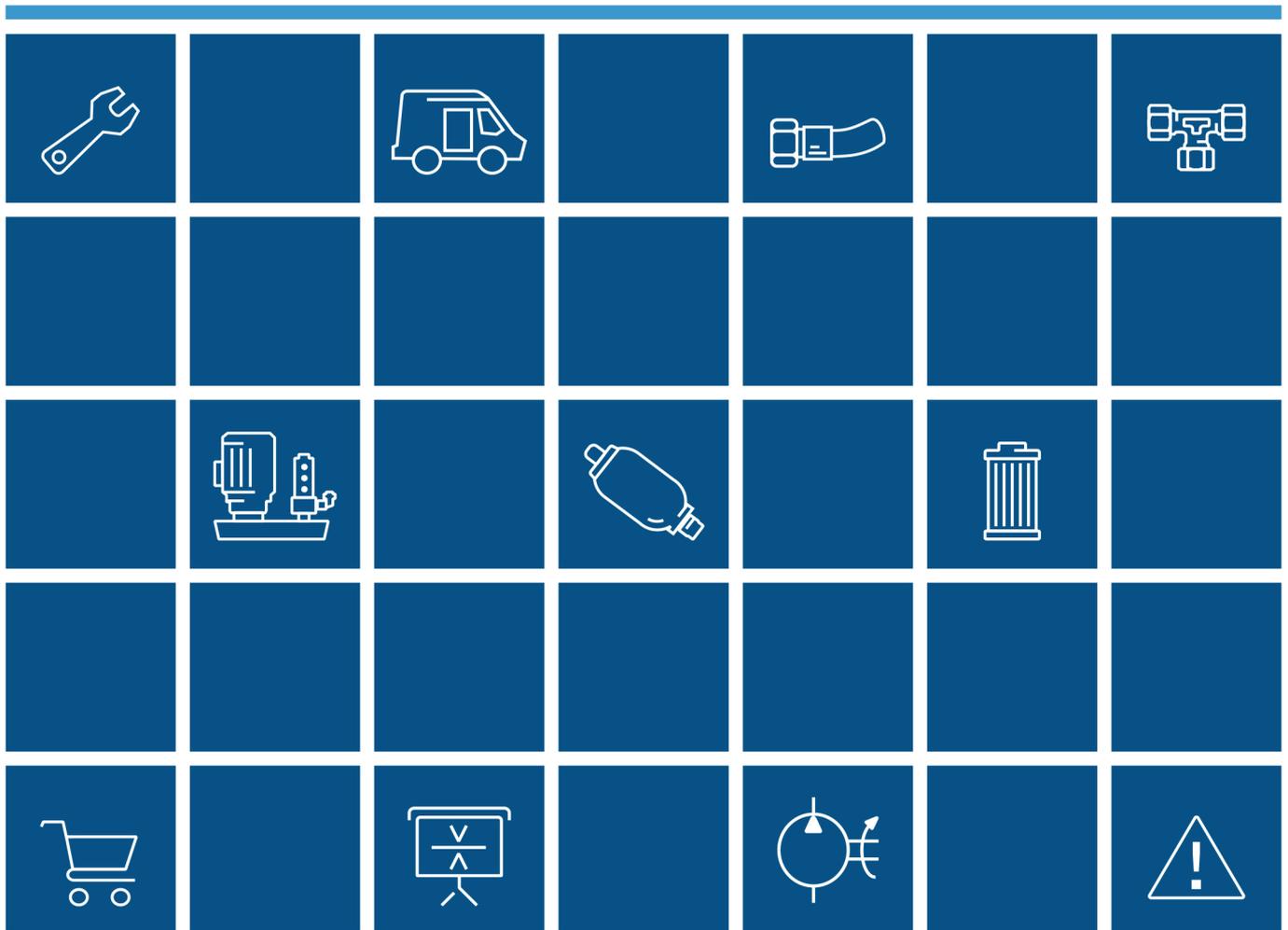
Knicklast in Abhängigkeit von Kolben- / Kolbenstangendurchmesser und Hub



# Mit Druck entspannter umgehen

Ihr Spezialist für alle Aufgaben rund um die Hydraulik und Pneumatik

JETZT HIER KLICKEN UND ONLINE ANFRAGEN!



Weitere Informationen erhalten Sie hier:



Telefon 0 70 31.49 94-0  
Telefax 0 70 31.49 94-90  
verkauf@hydrobar.de

**Hydrobar®**  
Hydraulik und Pneumatik GmbH  
Umberto-Nobile-Str. 16  
71063 Sindelfingen (Flugfeld)  
www.hydrobar.de

